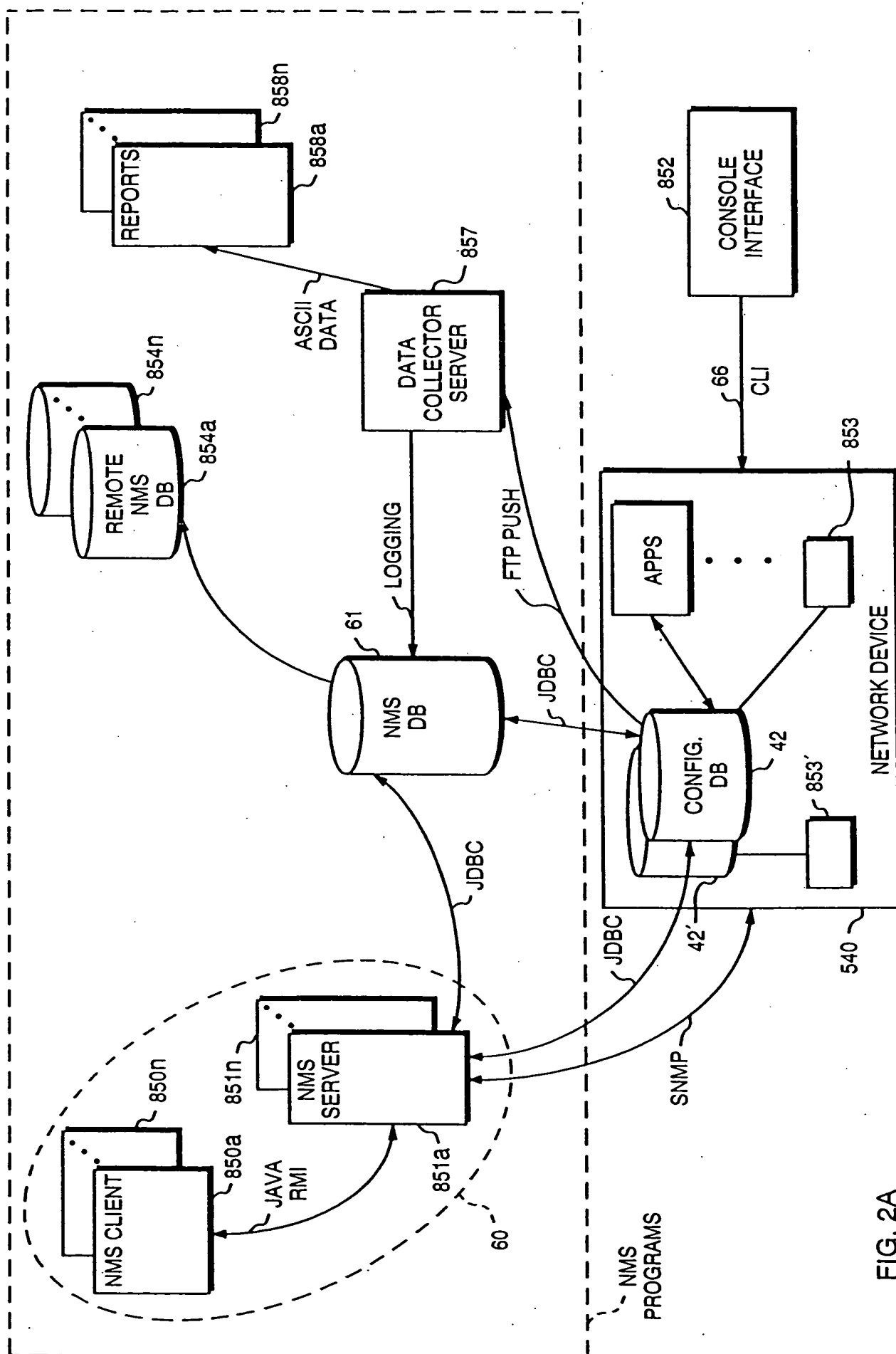


FIG. 1



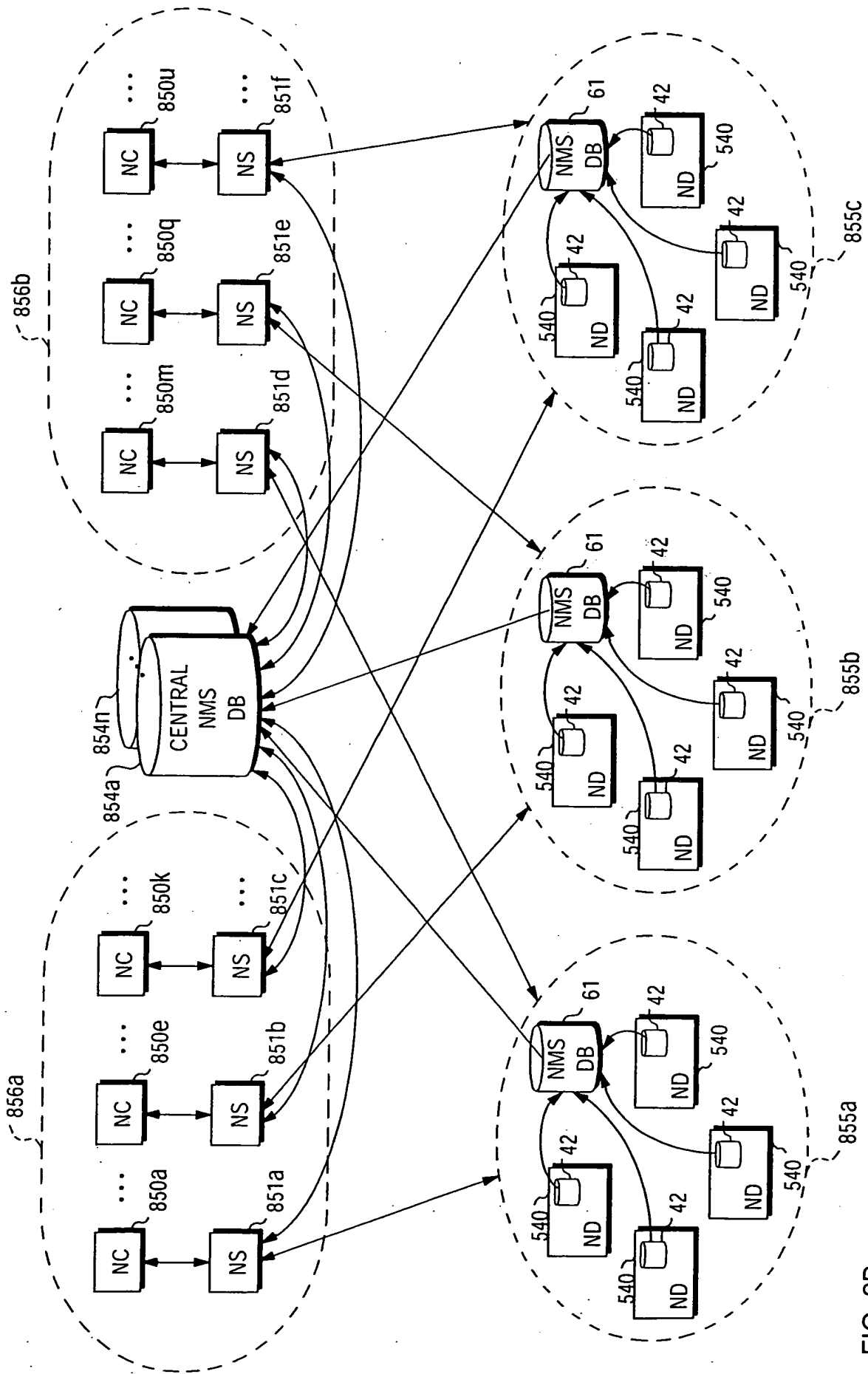


FIG. 2B

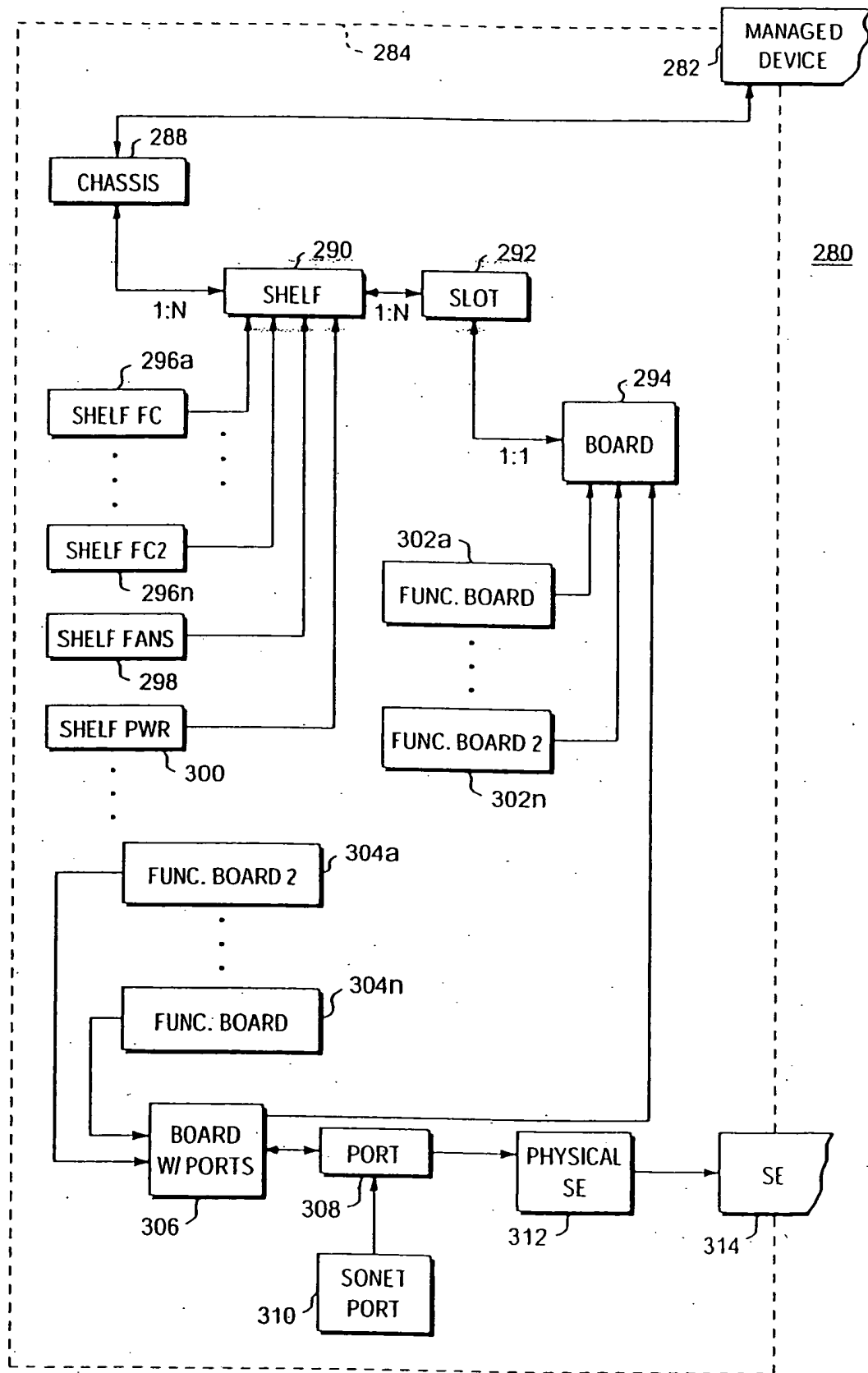


FIG. 3A

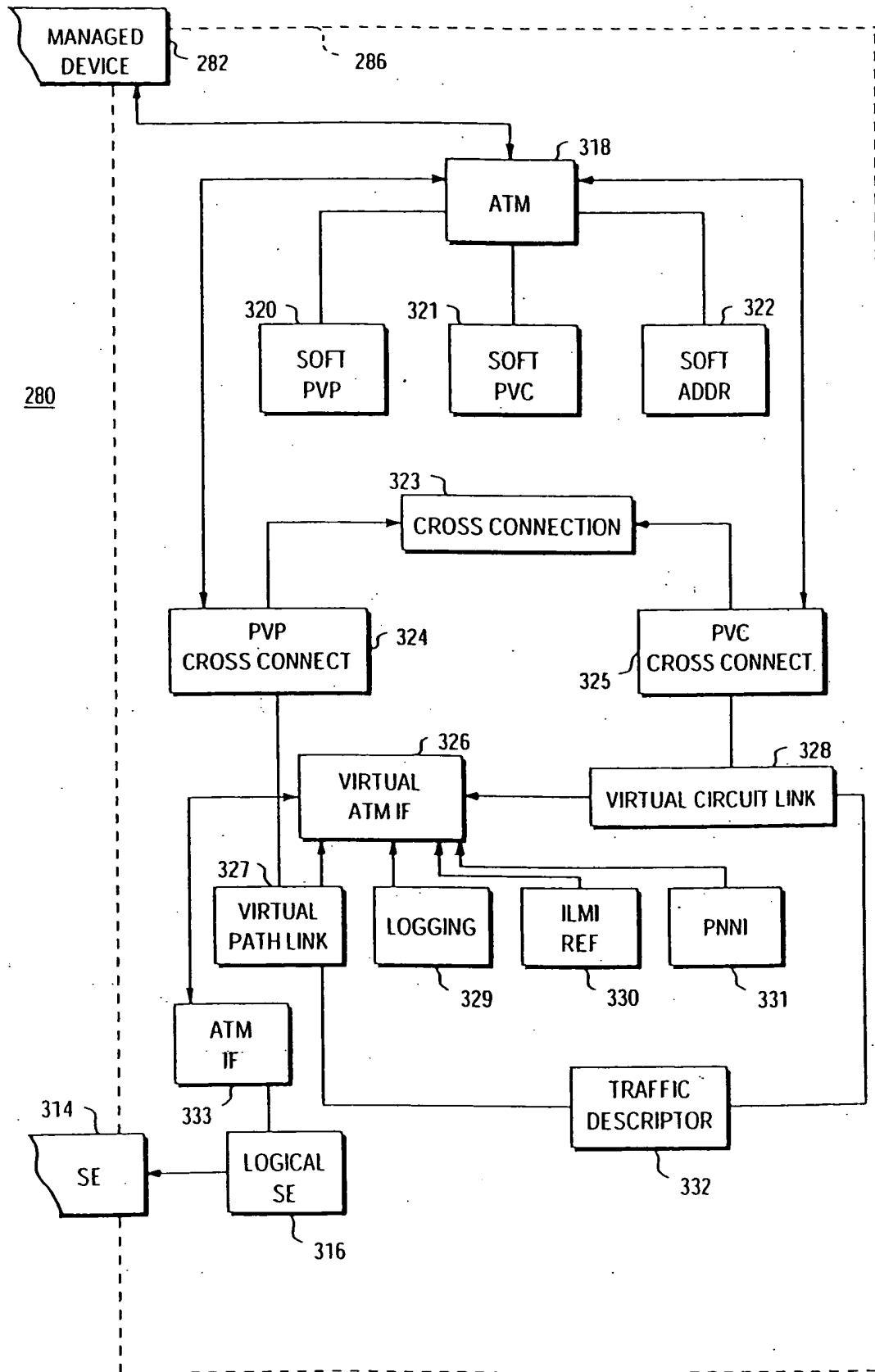


FIG. 3A CONTINUED

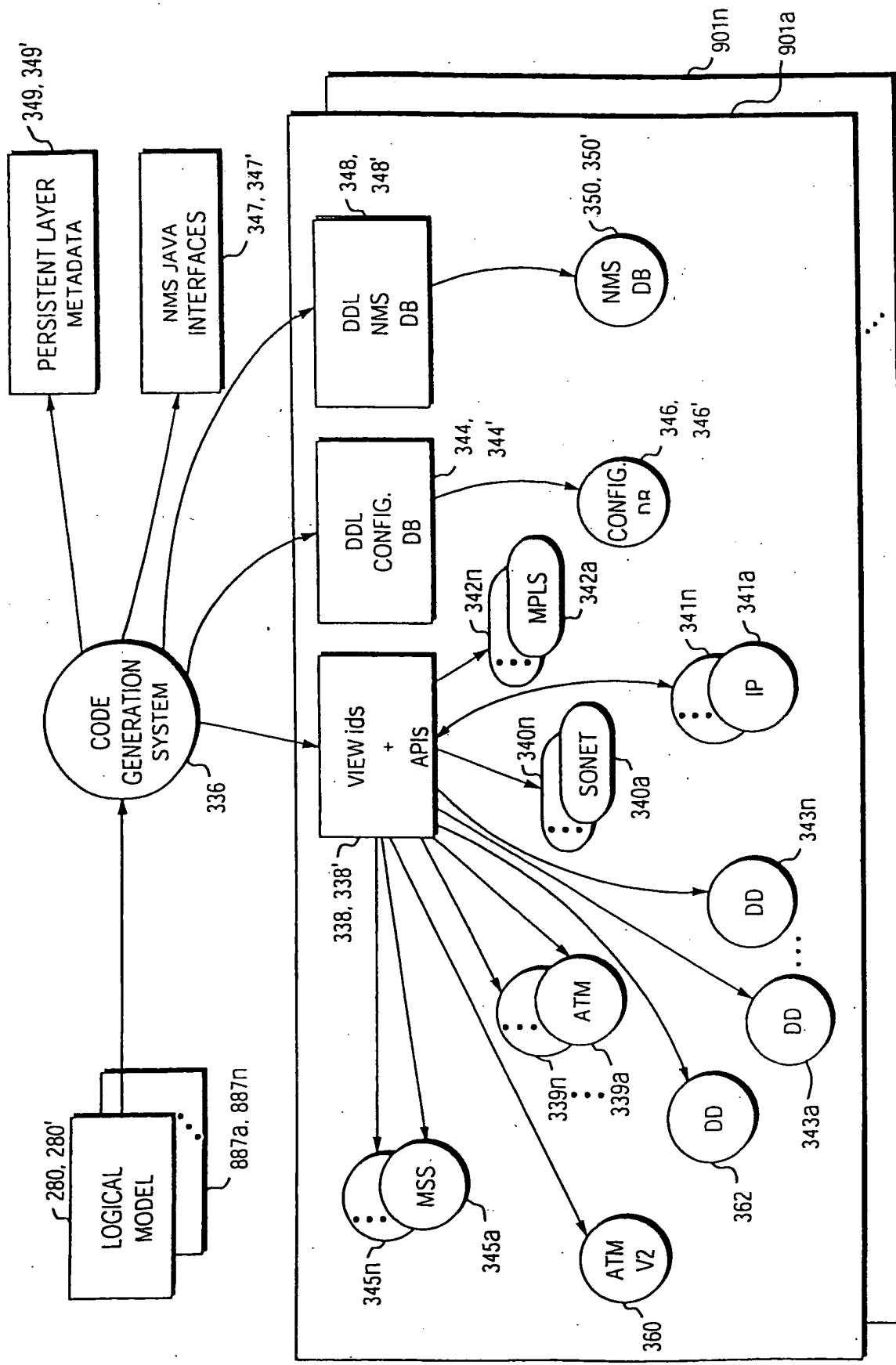


FIG. 3B

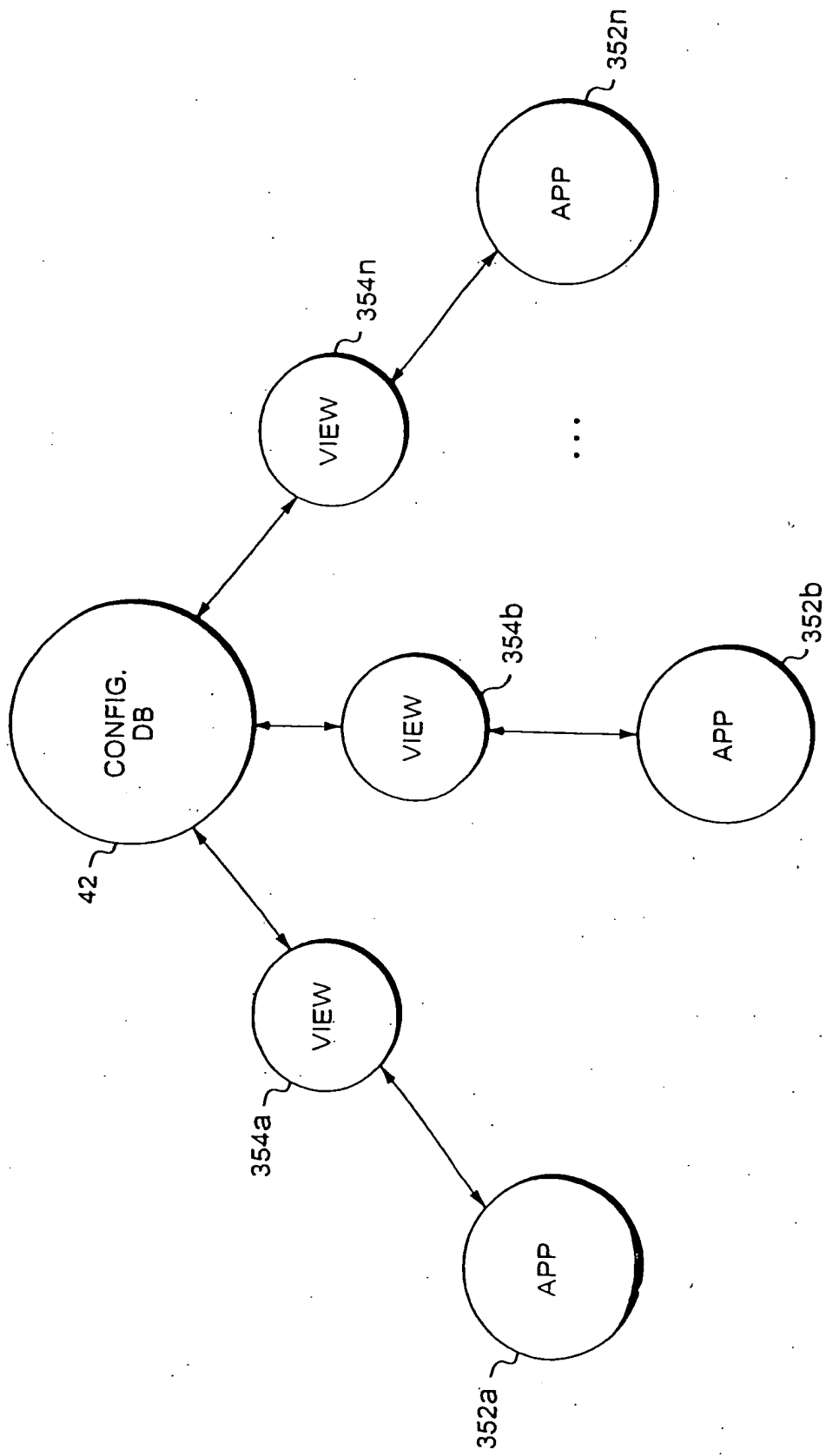


FIG. 3C

BUILD SONET APPLICATION

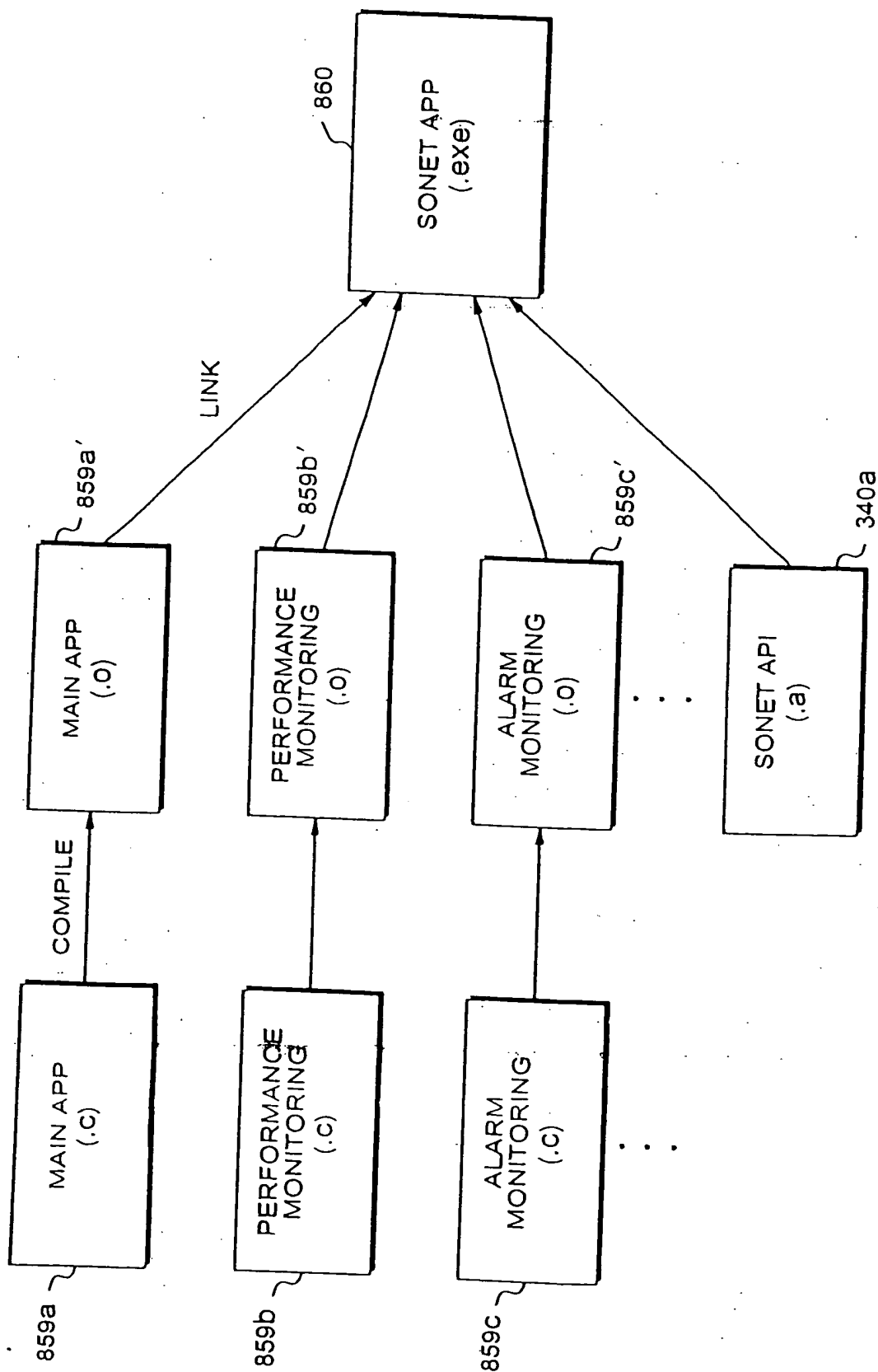


FIG. 3D

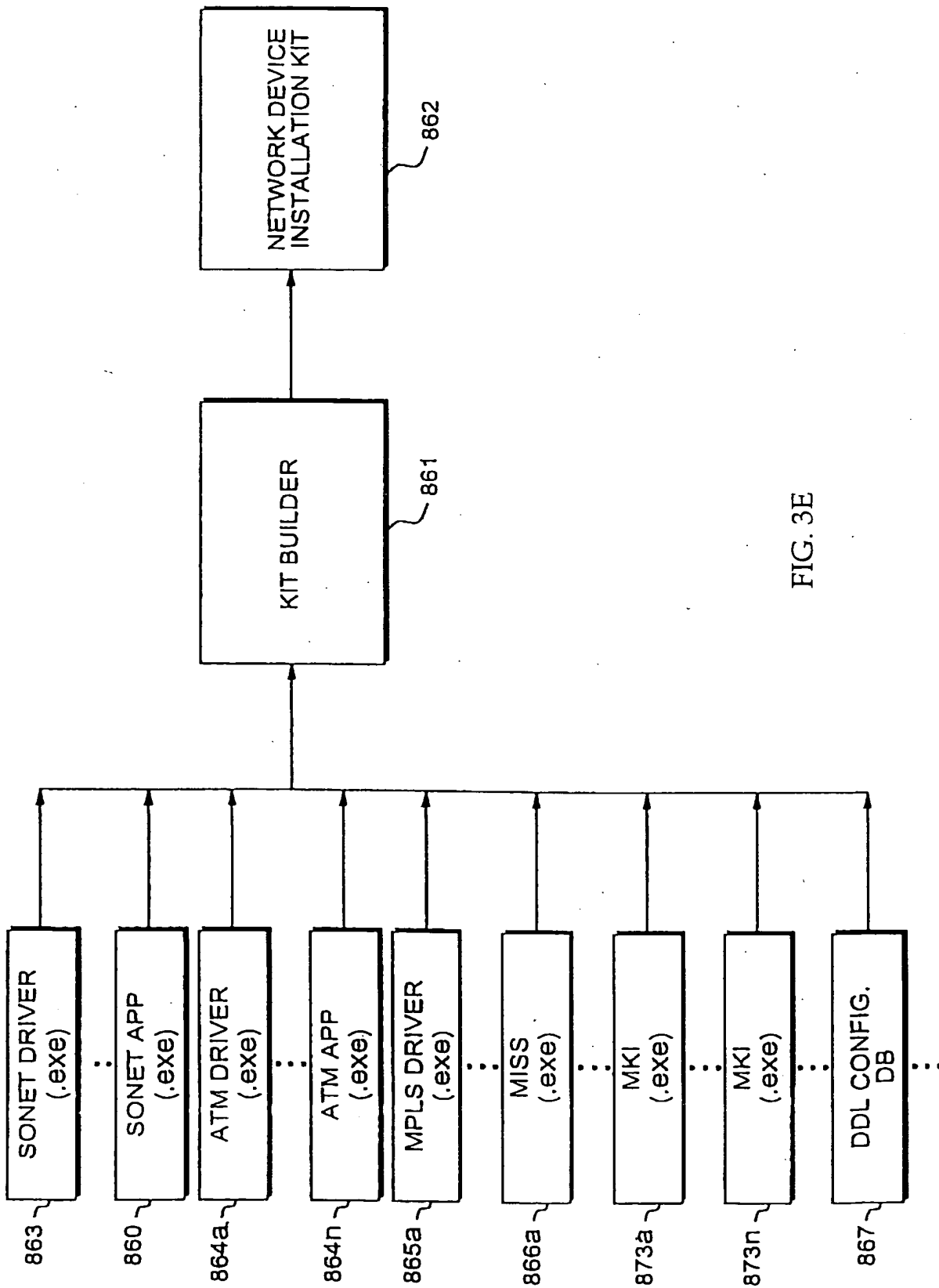


FIG. 3E

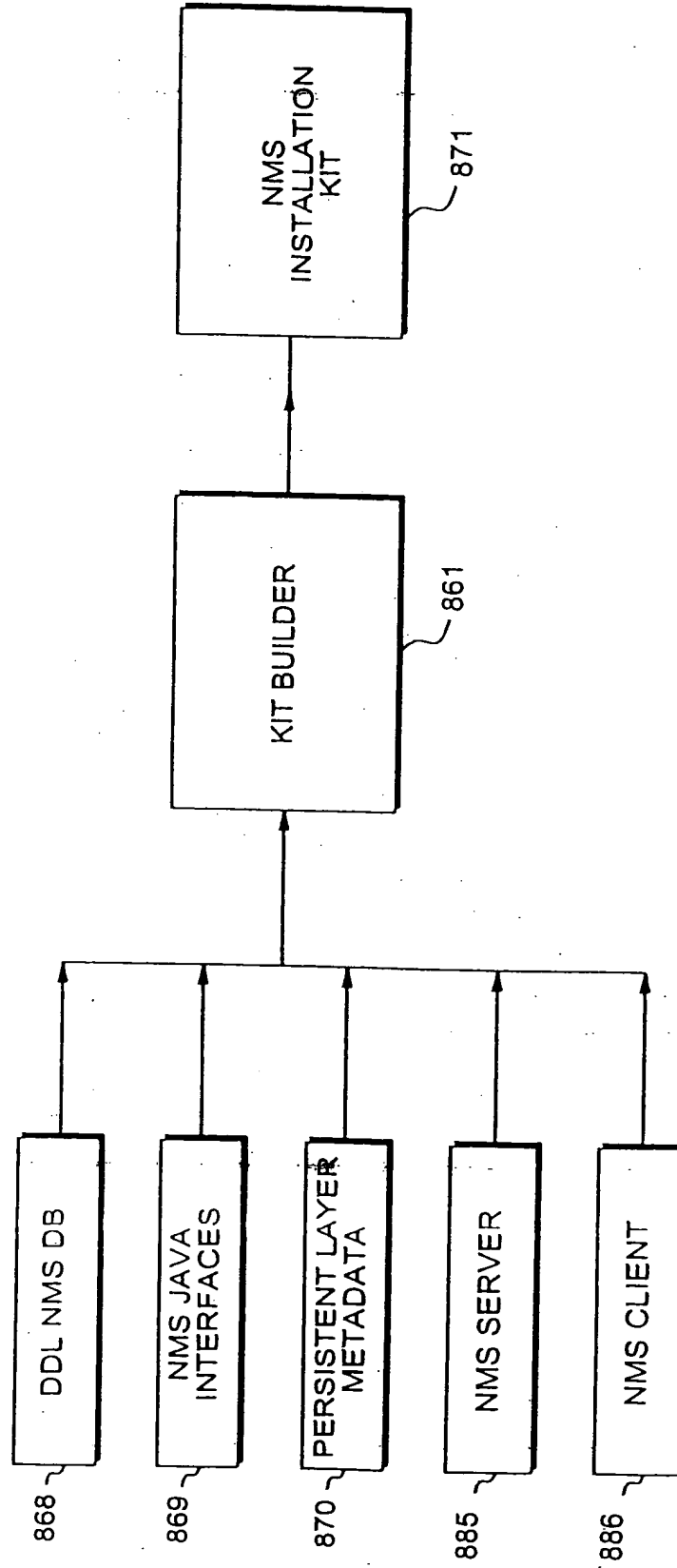


FIG. 3F

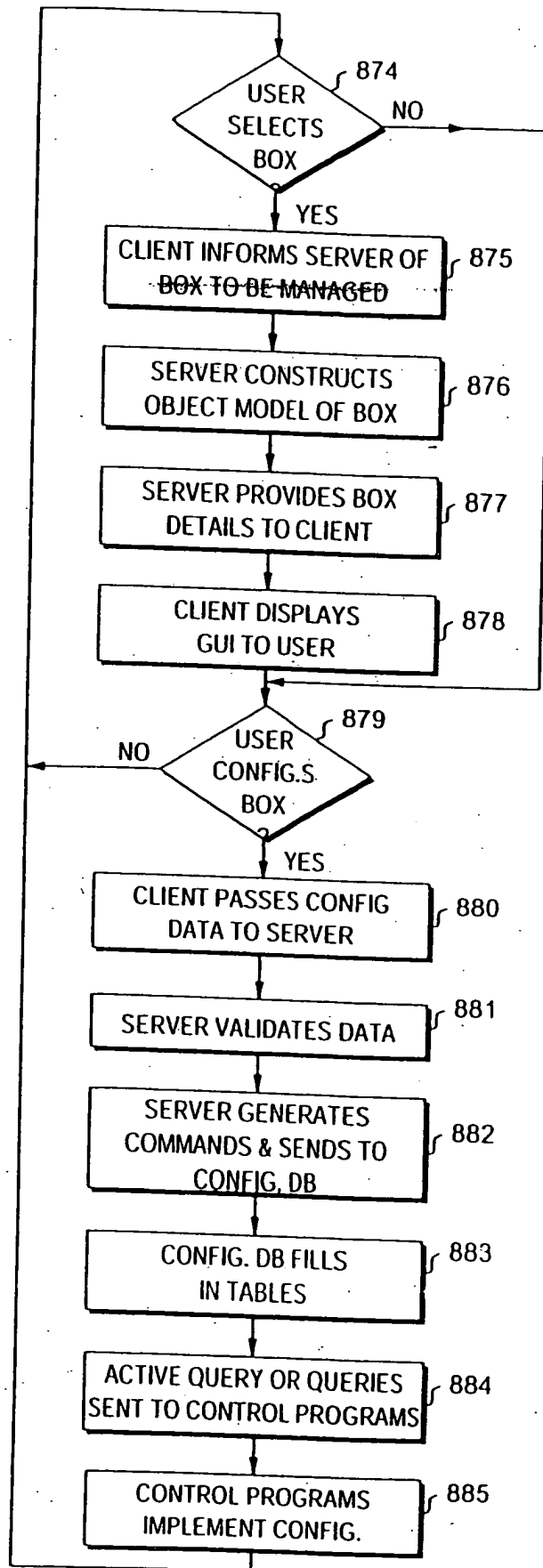


FIG. 3G

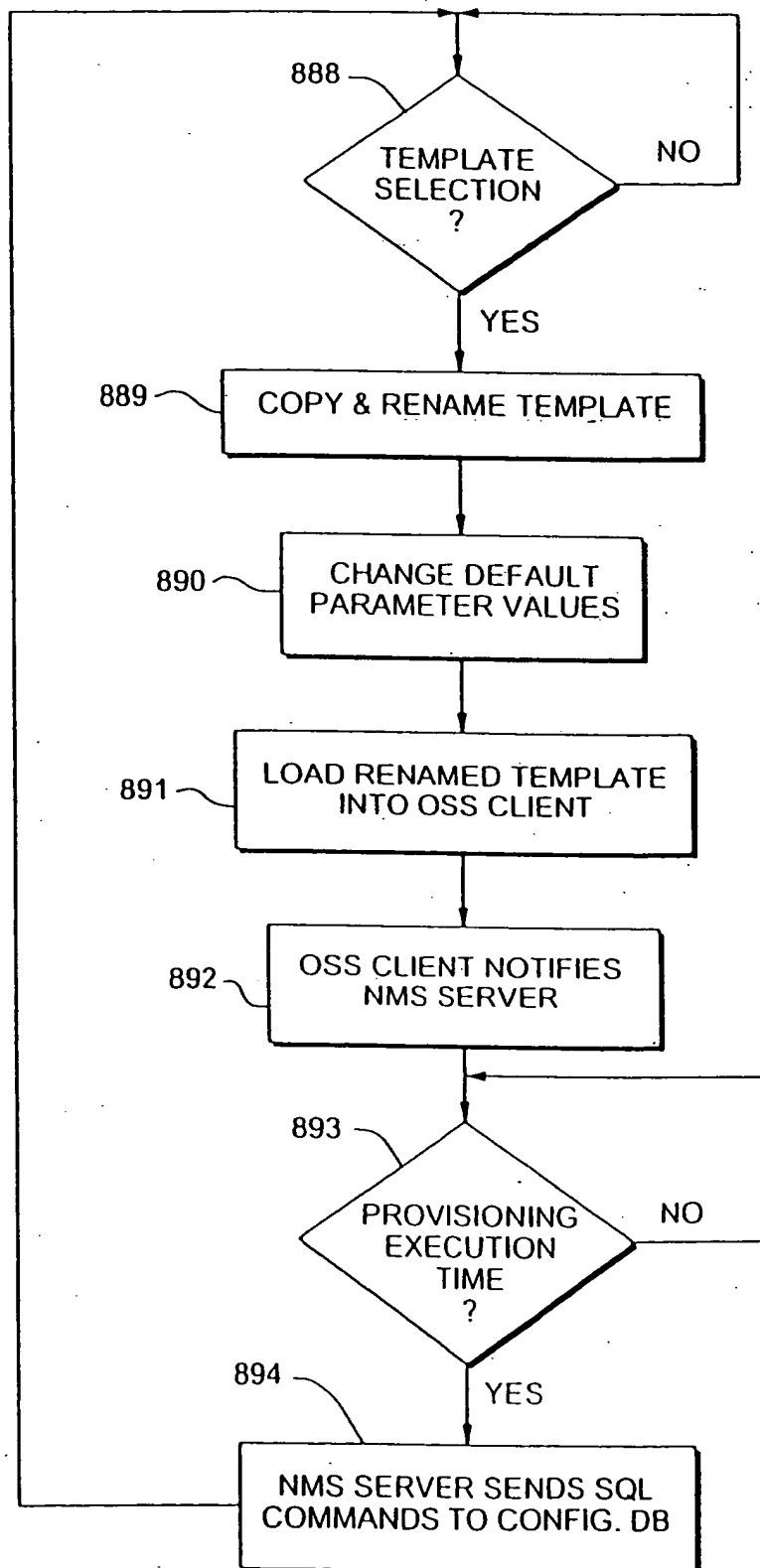


FIG. 3H

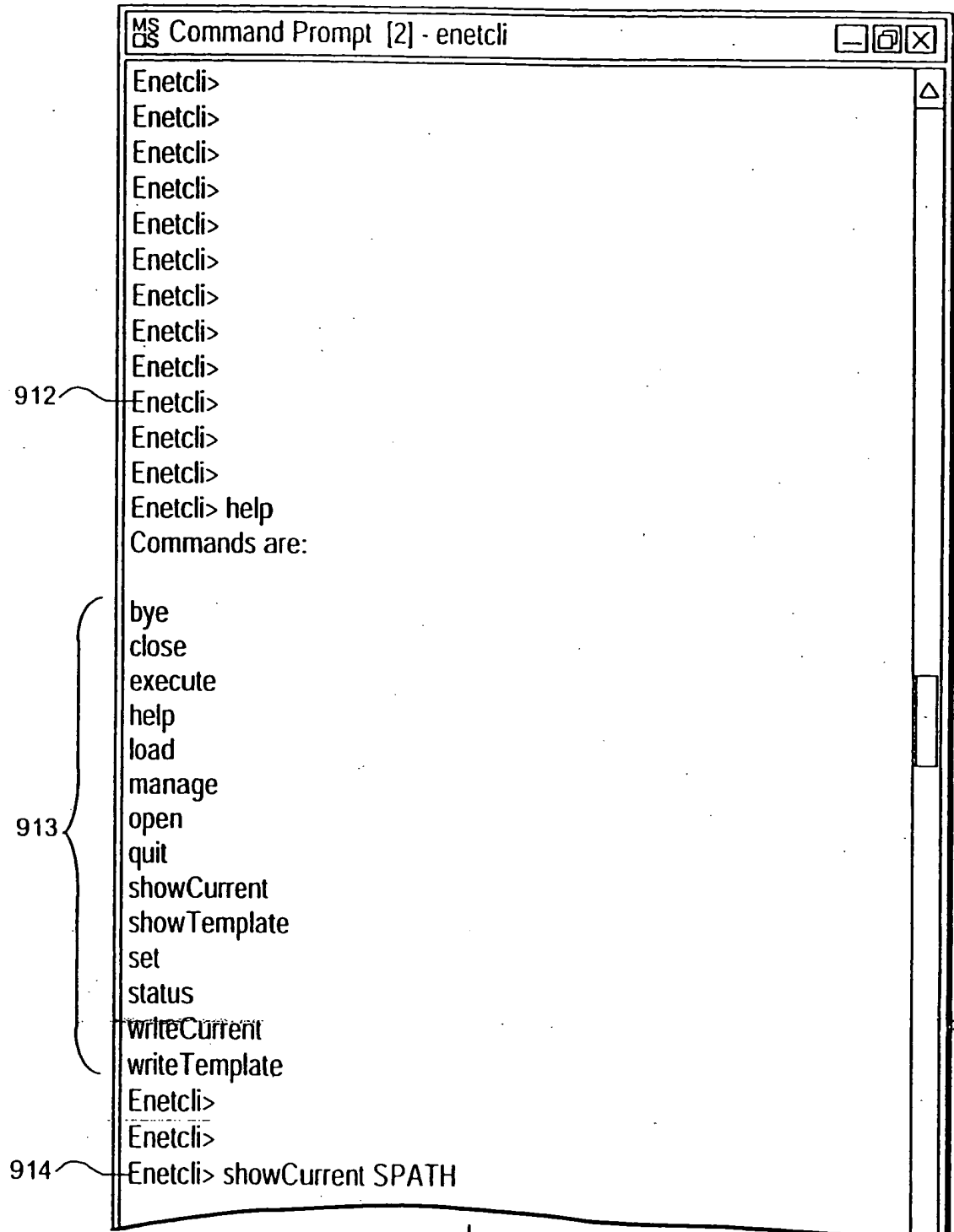


FIG. 3I CONTINUED

FIG. 3I

FROM FIG. 3I

```
915 { ATMIfName=ATMIf11/1/1
      Concatenated=false
      Name=Path11/1/1
      Operant=SPATH
      Operator=Create
      PortID=1
      Position=1
      Service=ATM
      ShelfID=11
      SlotID=1
      Type=Terminated
      Version=V1_1_0_0
      Width=STS3
      Enetcli>
      Enetcli>
      Enetcli>
916 { Enetcli> showTemplate SPATH
      ATMIfName=<String>[TerminatedOnly]
      Concatenated=<true:false>
      Name=<String>
      Operant=SPATH
      Operator=<Create:Replace:Update>Delete>
917 { PortID=<Integer><1-16>
      Position=<Integer>
      Service=<None :ATM>
      ShelfID=<11[top],13[bottom]>
      SlotID=<Integer><1-8>
      Type=<switched:Terminated>
      Version=V1_1_0_0
      Width=<STS1:STS3:STS12:STS48>
      Enetcli>
      Enetcli>
918 { Enetcli> status
919 { Not currently connected to server
920 { Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF
      Enetcli>
```

FIG. 3I CONTINUED

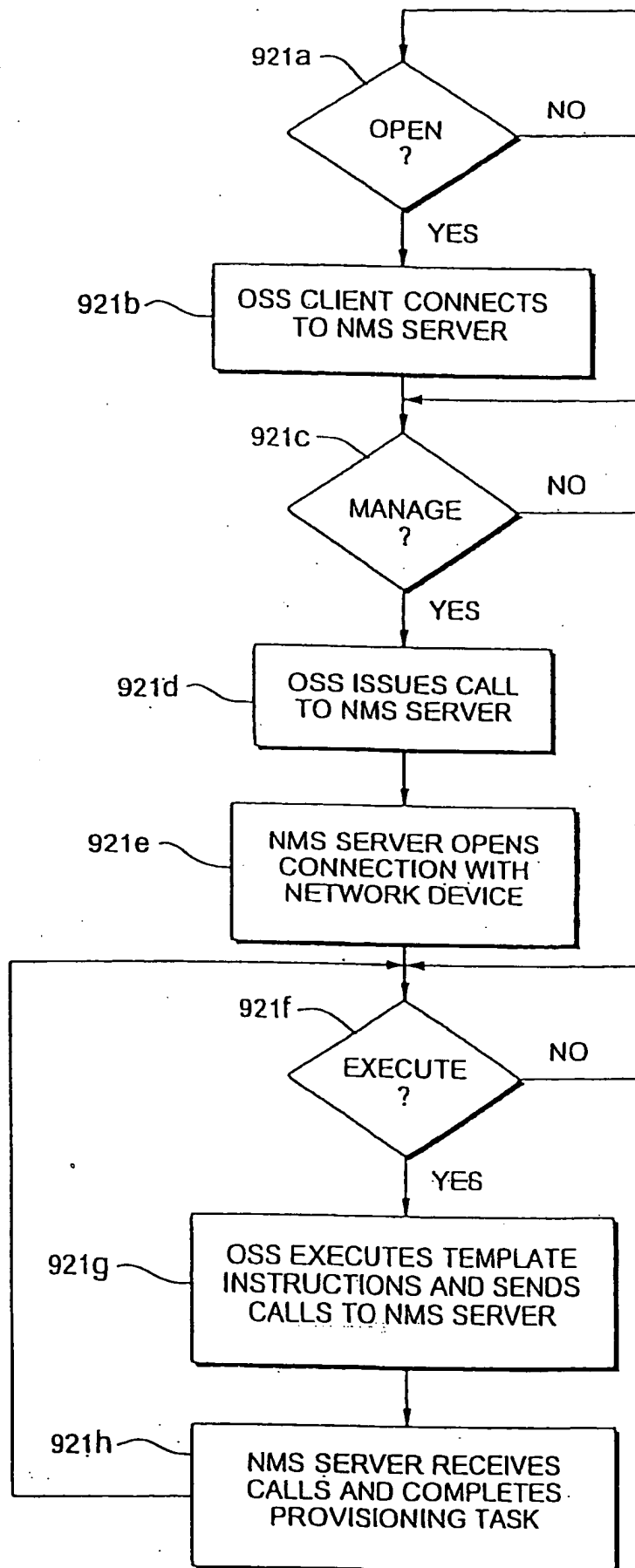


FIG. 3J

```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3K

BATCH

924

Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a ~ TASK1=execute-SPATH

924b ~ TASK2=execute-PVC

924c ~ TASK3=execute-SPVC

924d ~ TASK4=load-SPVC-spvc1

924e ~ TASK5=execute-SPVC

924f ~ TASK6=load-SPVC-spvc2

924e ~ TASK7=execute-SPVC

.

.

924g ~ TASK50=set-SPATH-PortID-3

924h ~ TASK51=execute-SPATH

924i ~ TASK52=set-SPATH-SlotID-2

924j ~ TASK53=execute-SPATH

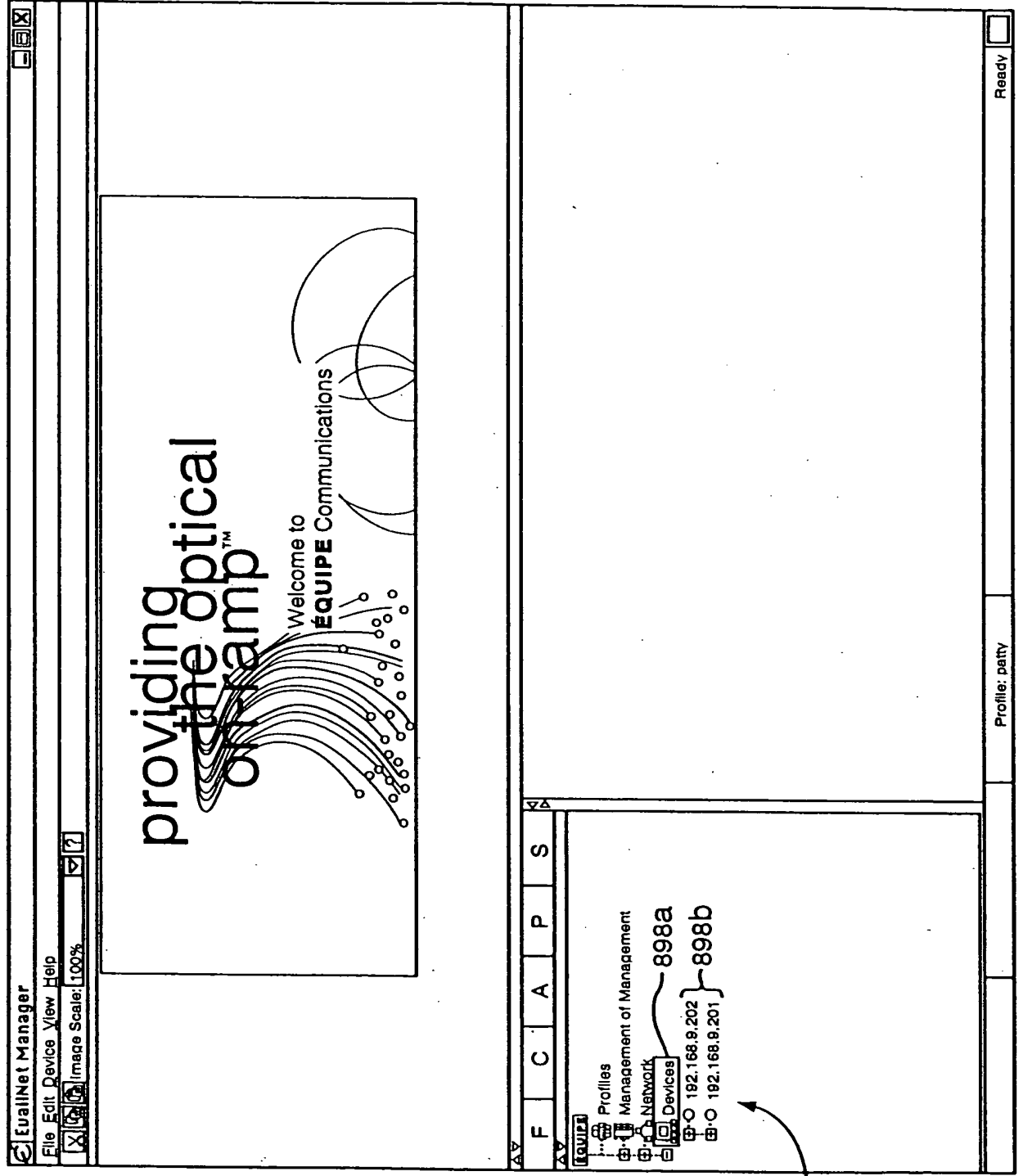
FIG. 3L

925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
925a ~ TASK1=execute-CONTROL
925b ~ TASK2=execute-SPATH
925c ~ TASK3=set-SPATH-PortID-3
925d ~ TASK4=execute-SPATH
.
.
925e ~ TASK61=set-CONTROL-System-192.168.9.201
925f ~ TASK62=execute-CONTROL
925g ~ TASK63=execute-SPATH
.
.
925h ~ TASK108=close
925i ~ TASK109=set-CONTROL-Server-Server1
925j ~ TASK110=set-CONTROL-System-192.168.8.200
925k ~ TASK111=execute-CONTROL
925l ~ TASK112=execute-SPATH
.
.

FIG. 3M

895



898

FIG. 4A

895

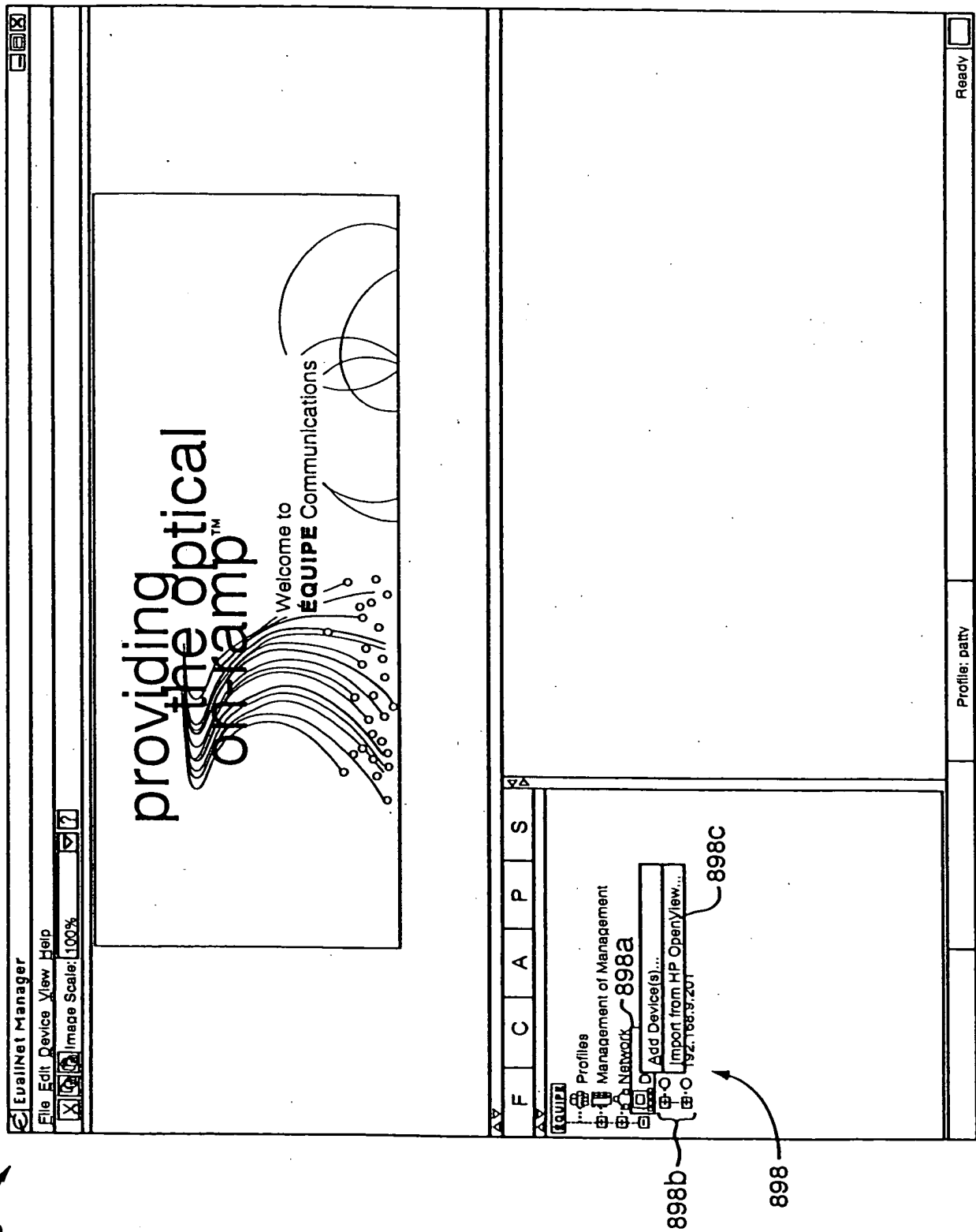


FIG. 4B

AddDeleteDeviceDlg

Enter device to add 898e

192.168.9.203

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

OK Cancel Delete

898d

FIG. 4C

AddDeleteDeviceDlg

Enter device to add 898e

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

☒ 192.168.9.203 898g

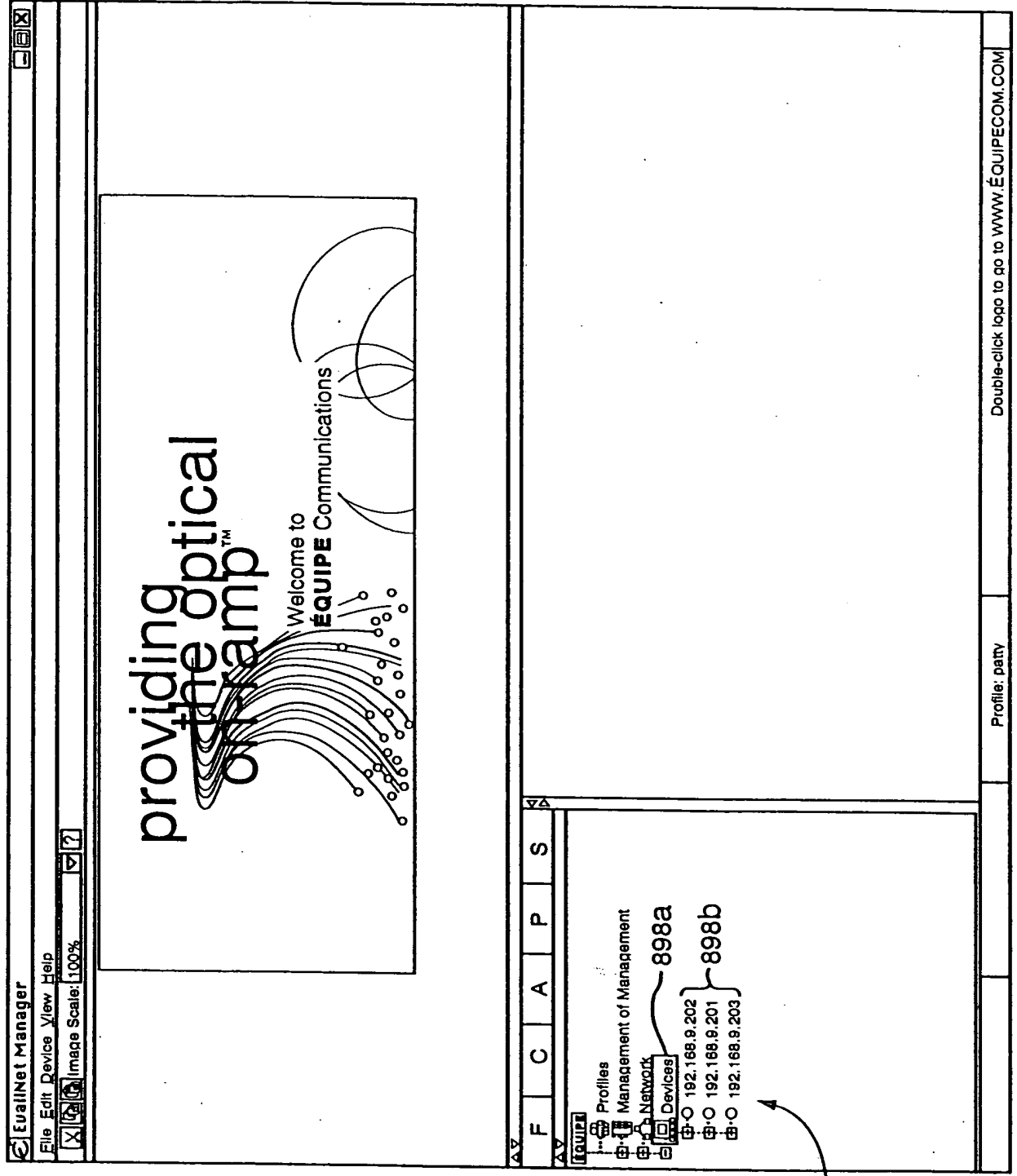
OK 898j Cancel Delete 898h

898i

898d

FIG. 4D

895 →



898 →

FIG. 4E

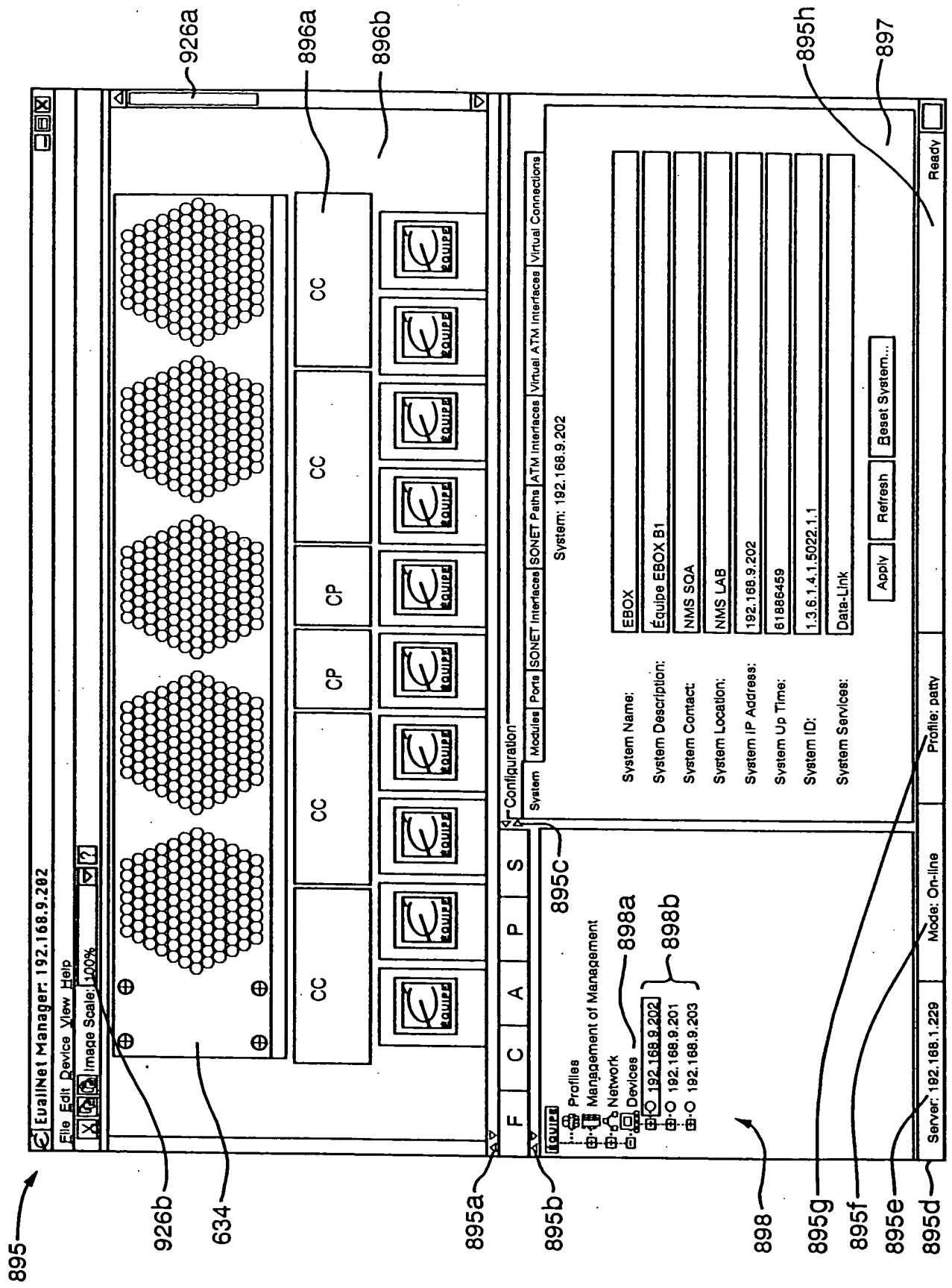


FIG. 4F

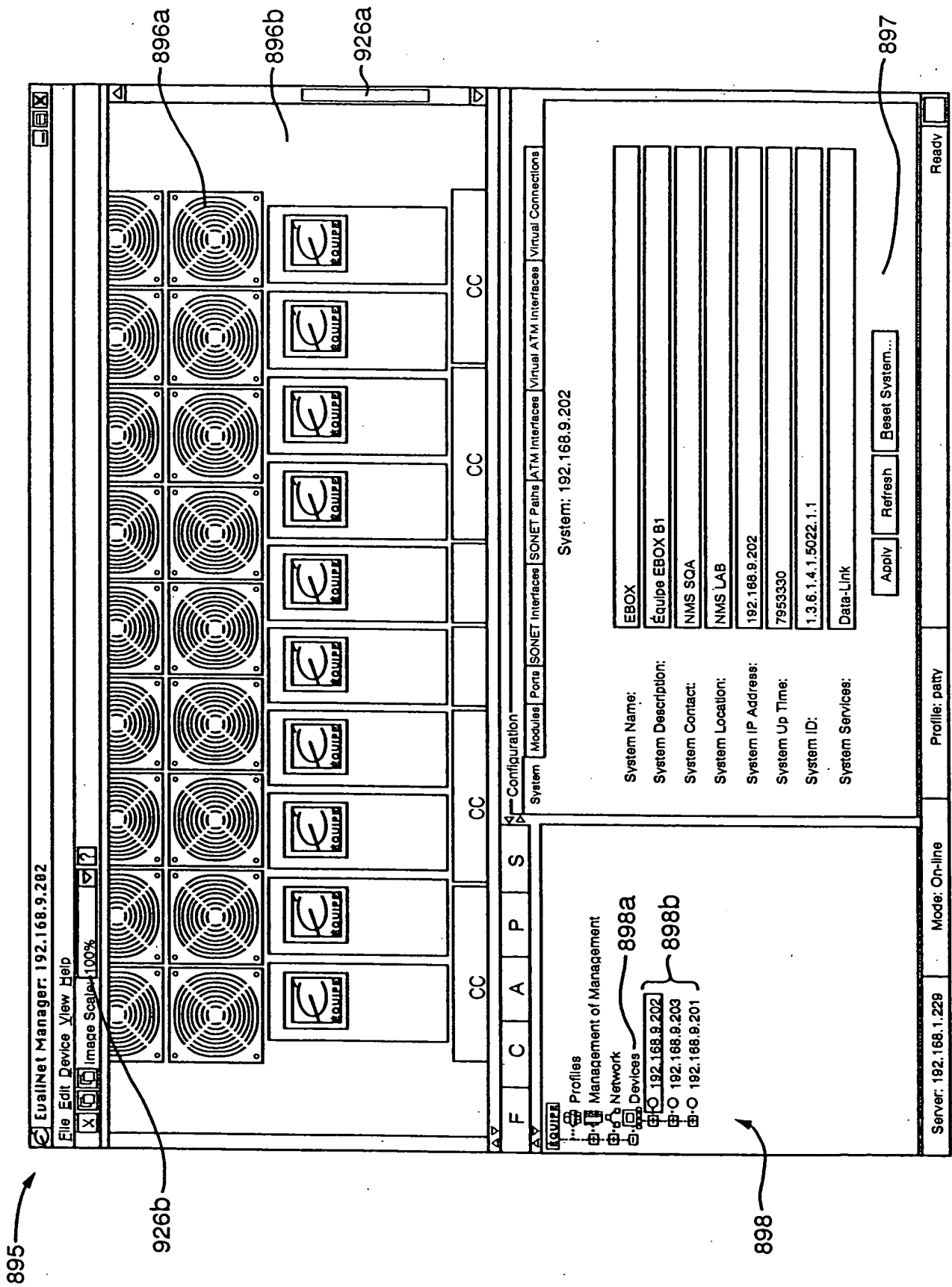


FIG. 4G

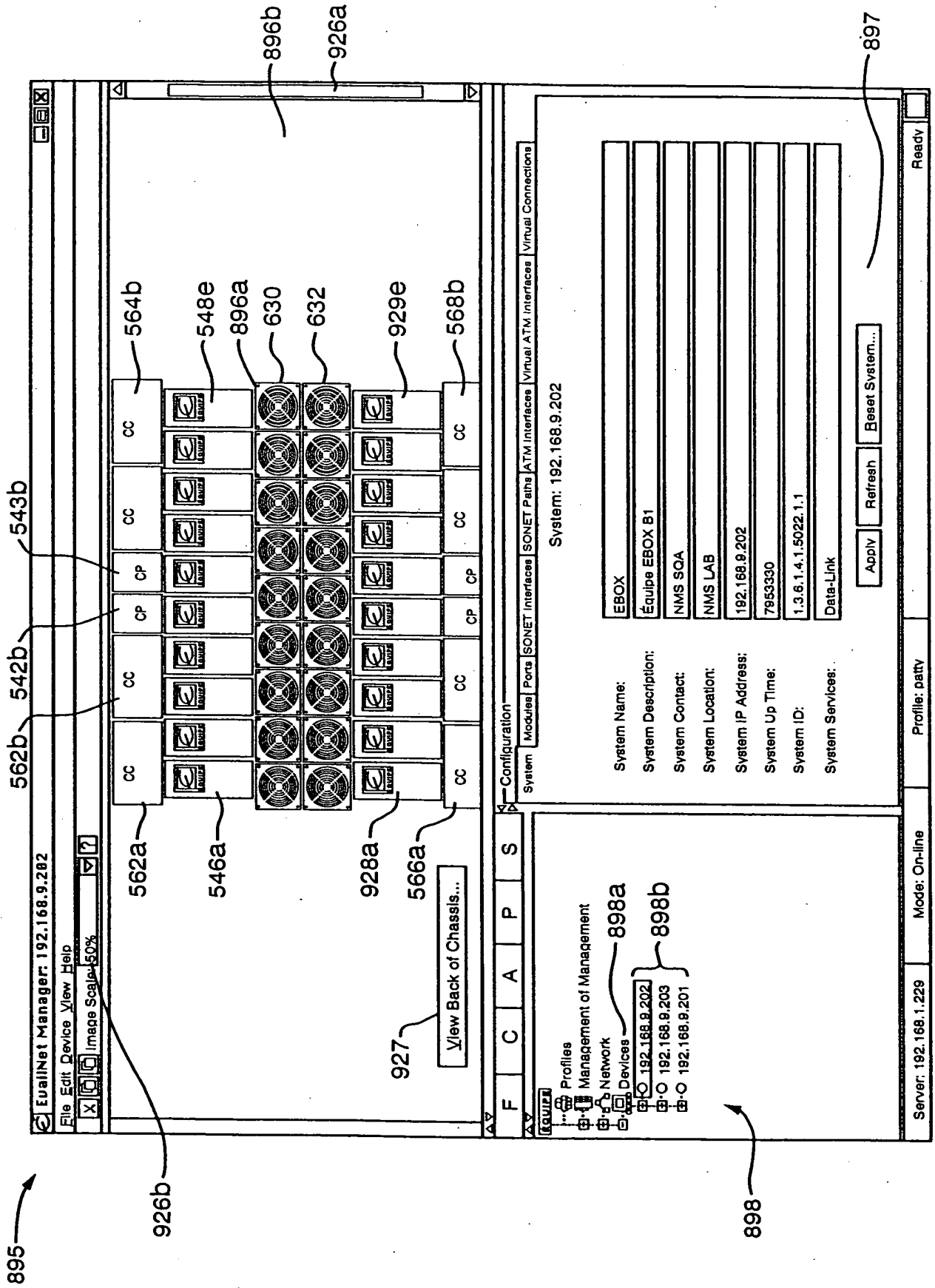


FIG. 4H

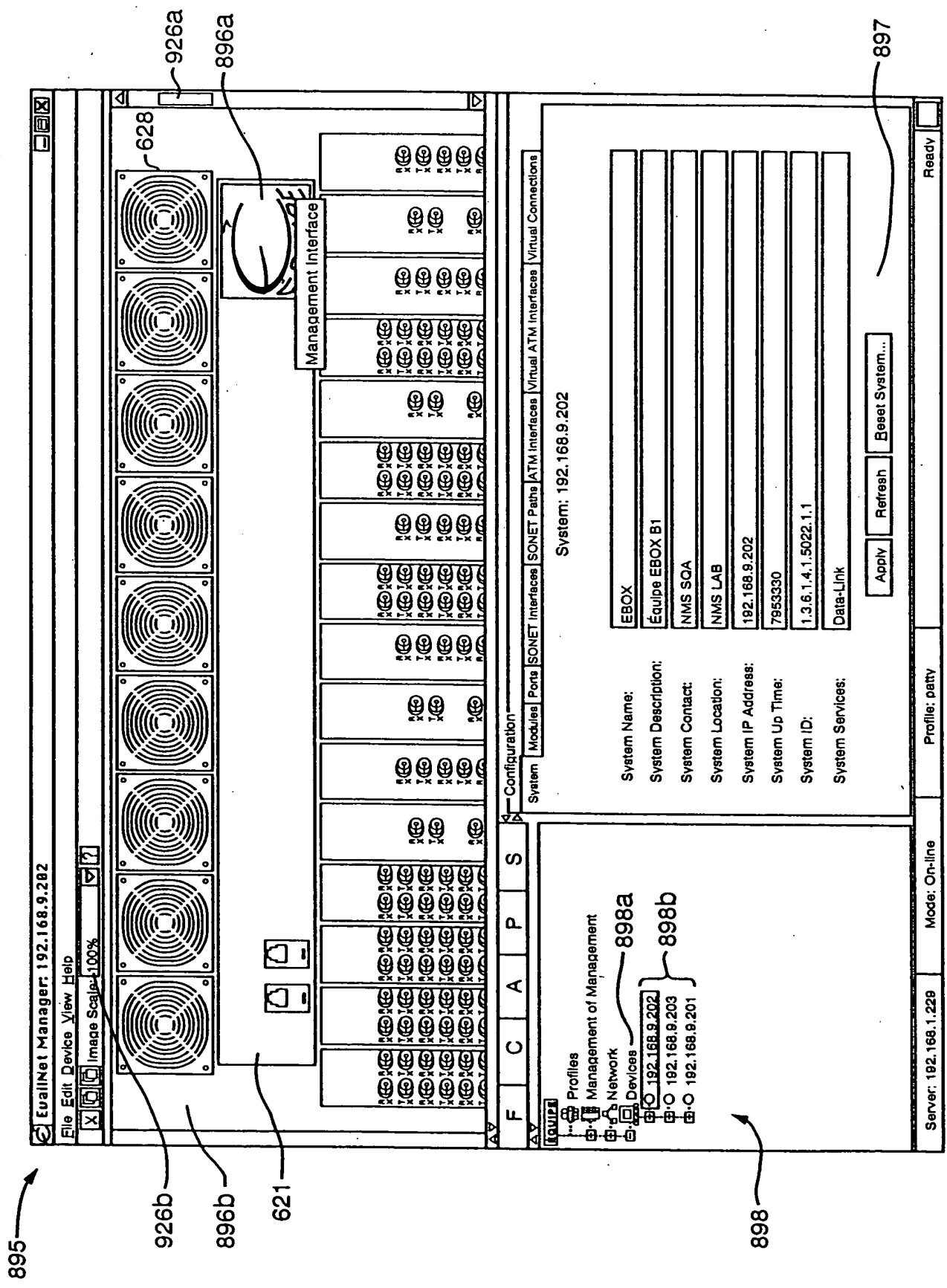


FIG. 4I

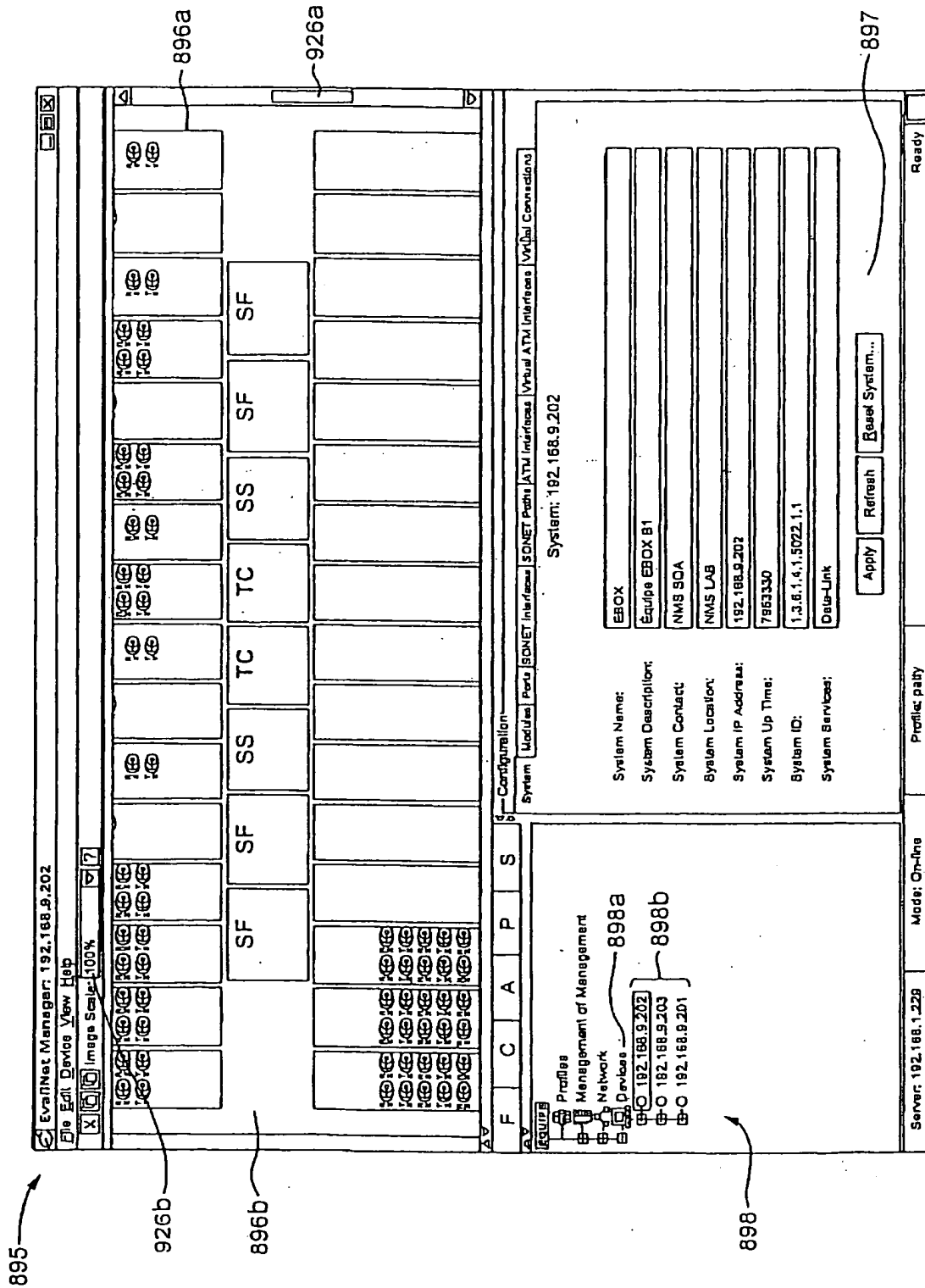


FIG. 4J

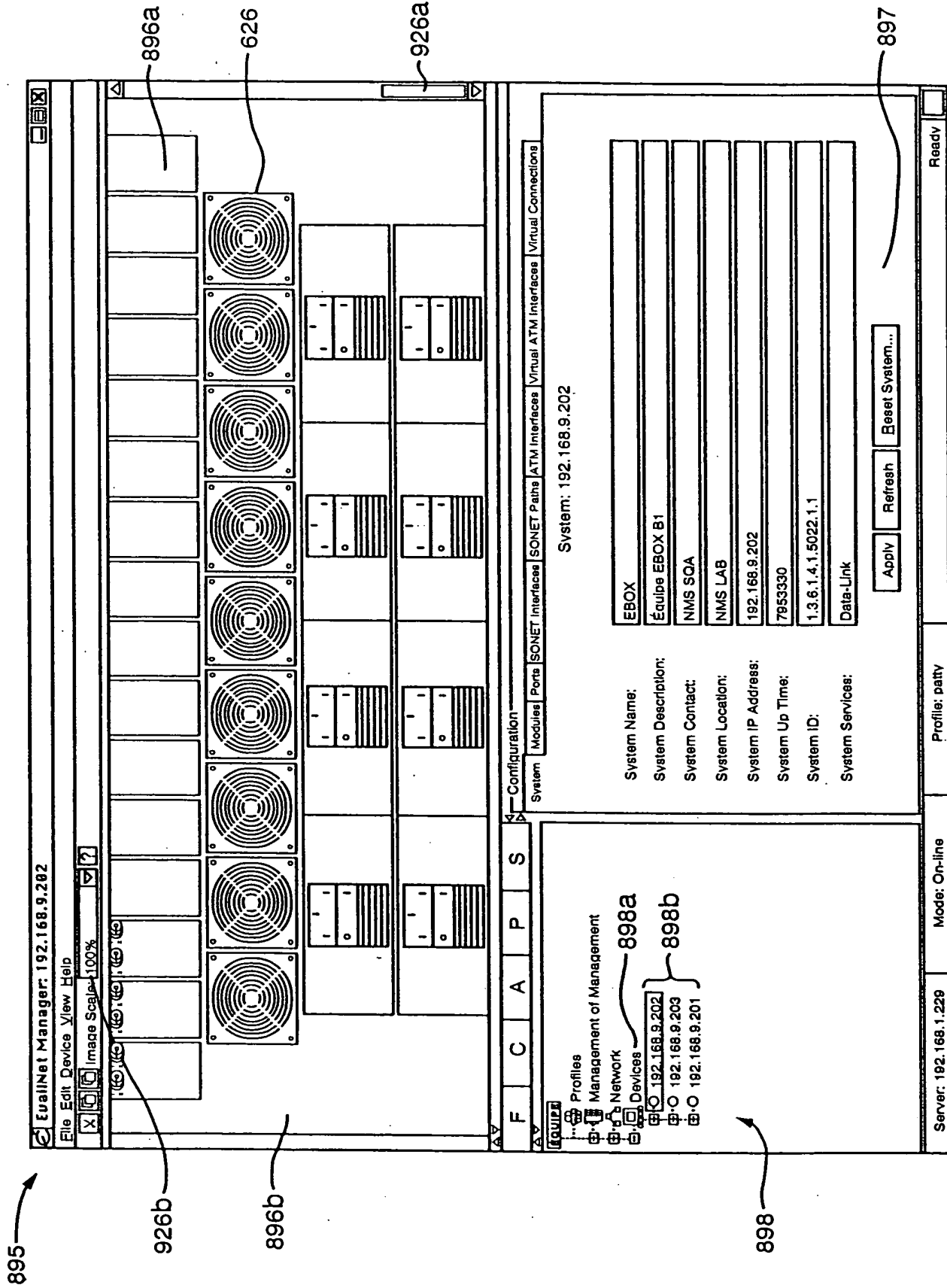


FIG. 4K

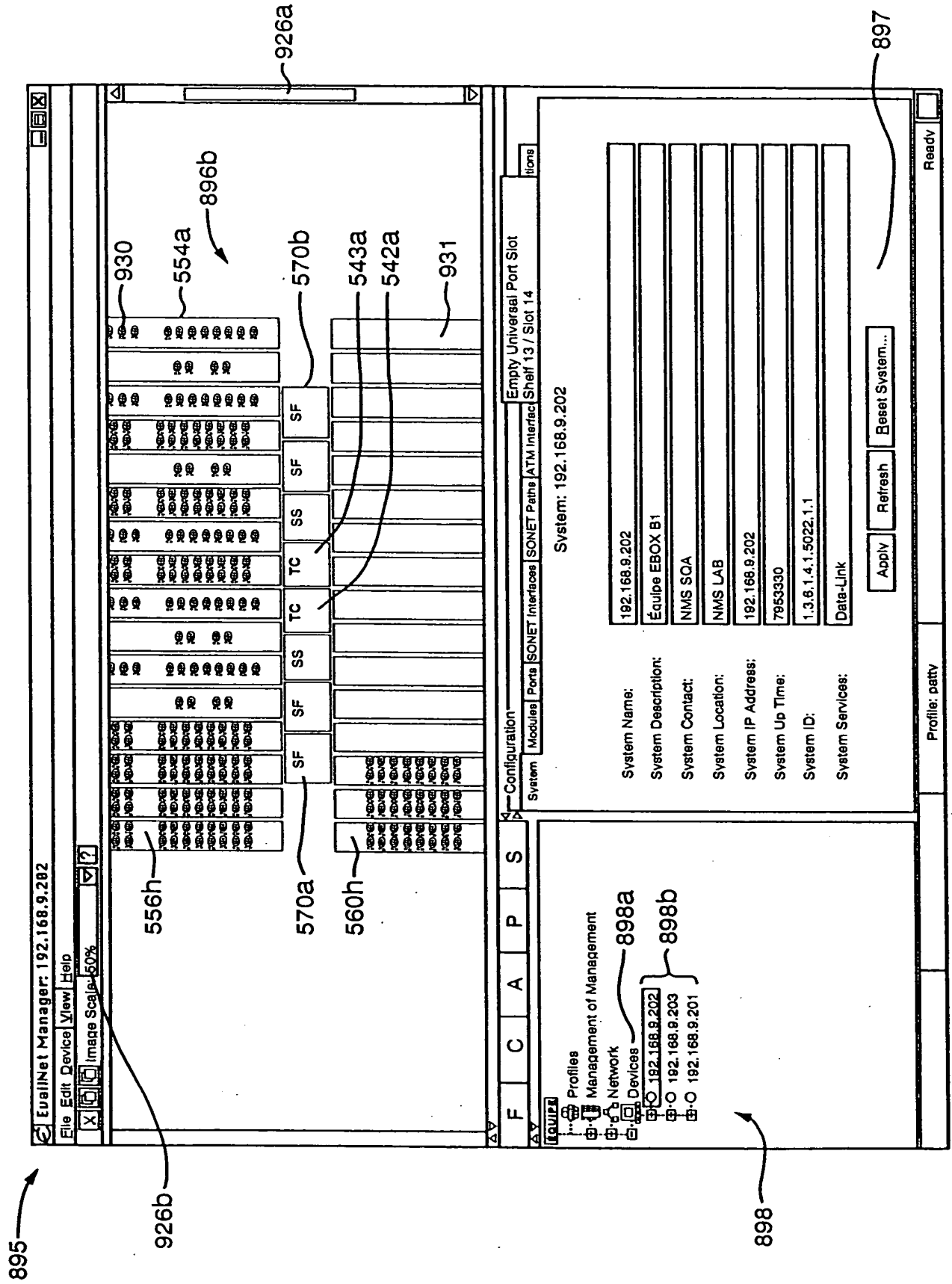


FIG. 4L

EvaluNet Manager: 192.168.9.202														
File Edit Device View Help														
<div style="float: left; width: 100px;"> <input checked="" type="checkbox"/> X <input type="checkbox"/> I <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> G </div> <div style="float: right; width: 100px;"> Preferences Refresh <input type="checkbox"/> Modules Toolbox System View </div>														
<div style="text-align: center;"> </div>														
<div style="display: flex; justify-content: space-between;"> <div> <p>System: 192.168.9.202</p> <p>System Name:</p> <p>System Description:</p> <p>System Contact:</p> <p>System Location:</p> <p>System IP Address:</p> <p>System Up Time:</p> <p>System ID:</p> <p>System Services:</p> </div> <div> <p>Virtual ATM Interfaces</p> <p>ATM Interfaces</p> <p>SONET Paths</p> <p>SONET Interfaces</p> <p>Ports</p> </div> </div>														
<div style="display: flex; justify-content: space-between;"> <div> <p>Apply Refresh Reset System...</p> </div> <div> <p>Data-Link</p> <p>1.3.6.1.4.1.5022.1.1</p> <p>70507655</p> <p>192.168.9.202</p> <p>NMS LAB</p> <p>NMS SQA</p> <p>EQUIPE EBOX B1</p> <p>192.168.9.202</p> </div> </div>														

FIG. 4M

955

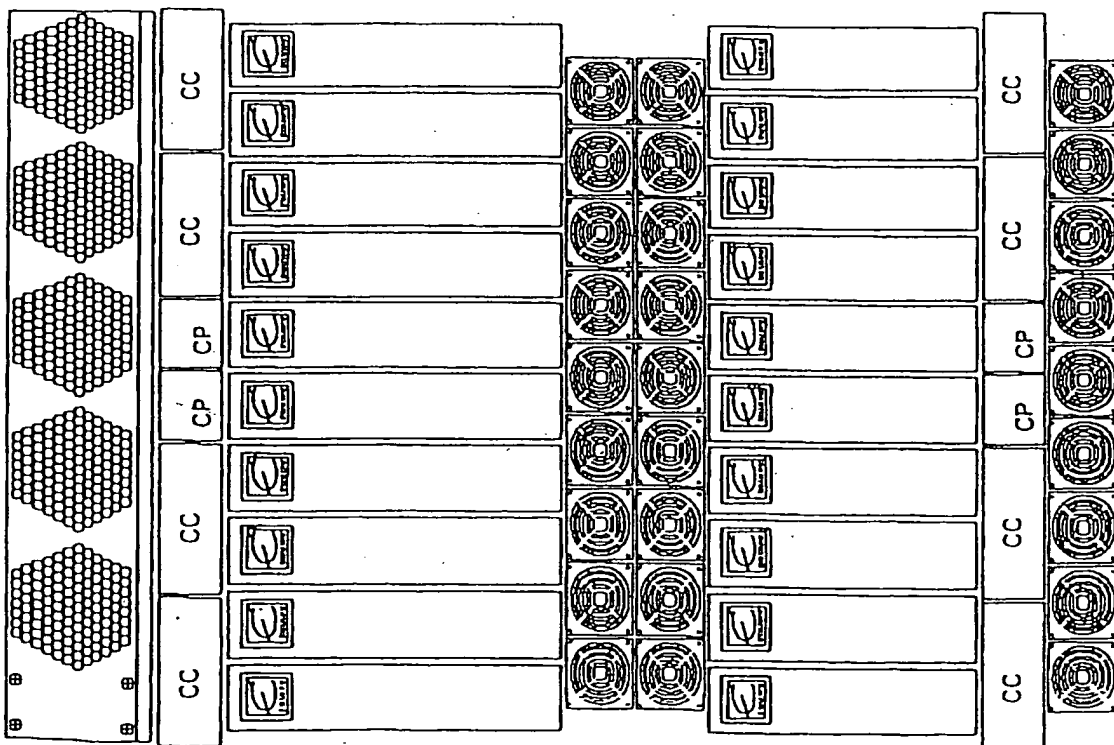
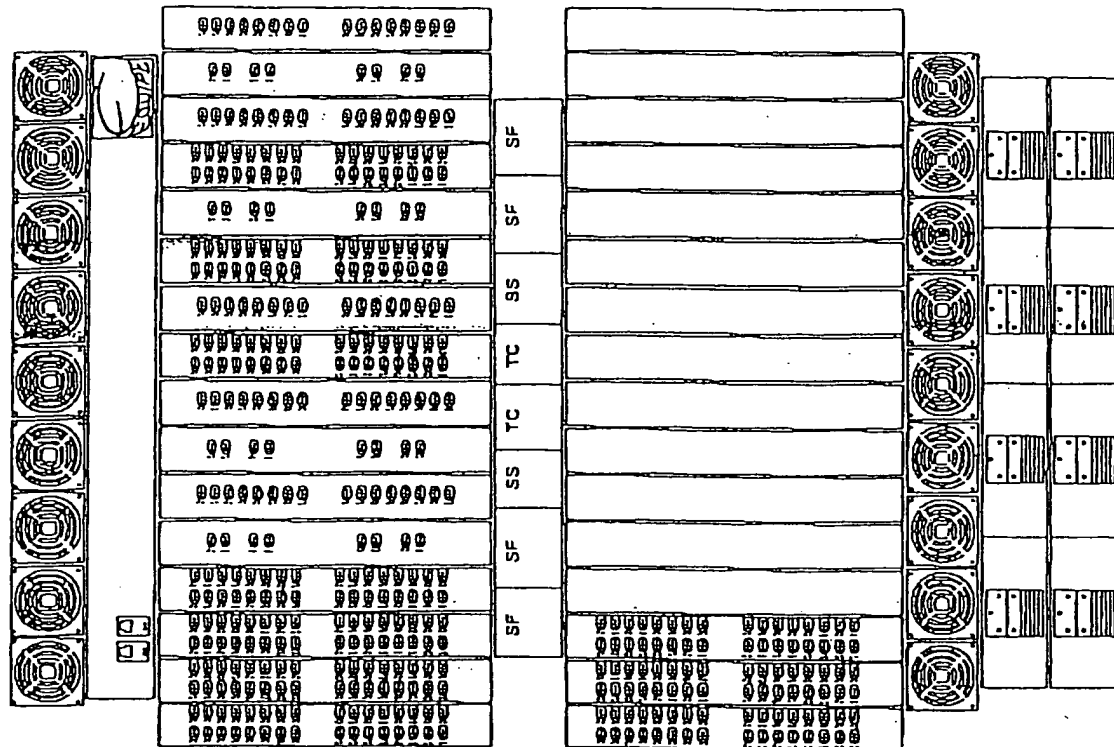


FIG. 4N

955a



955b

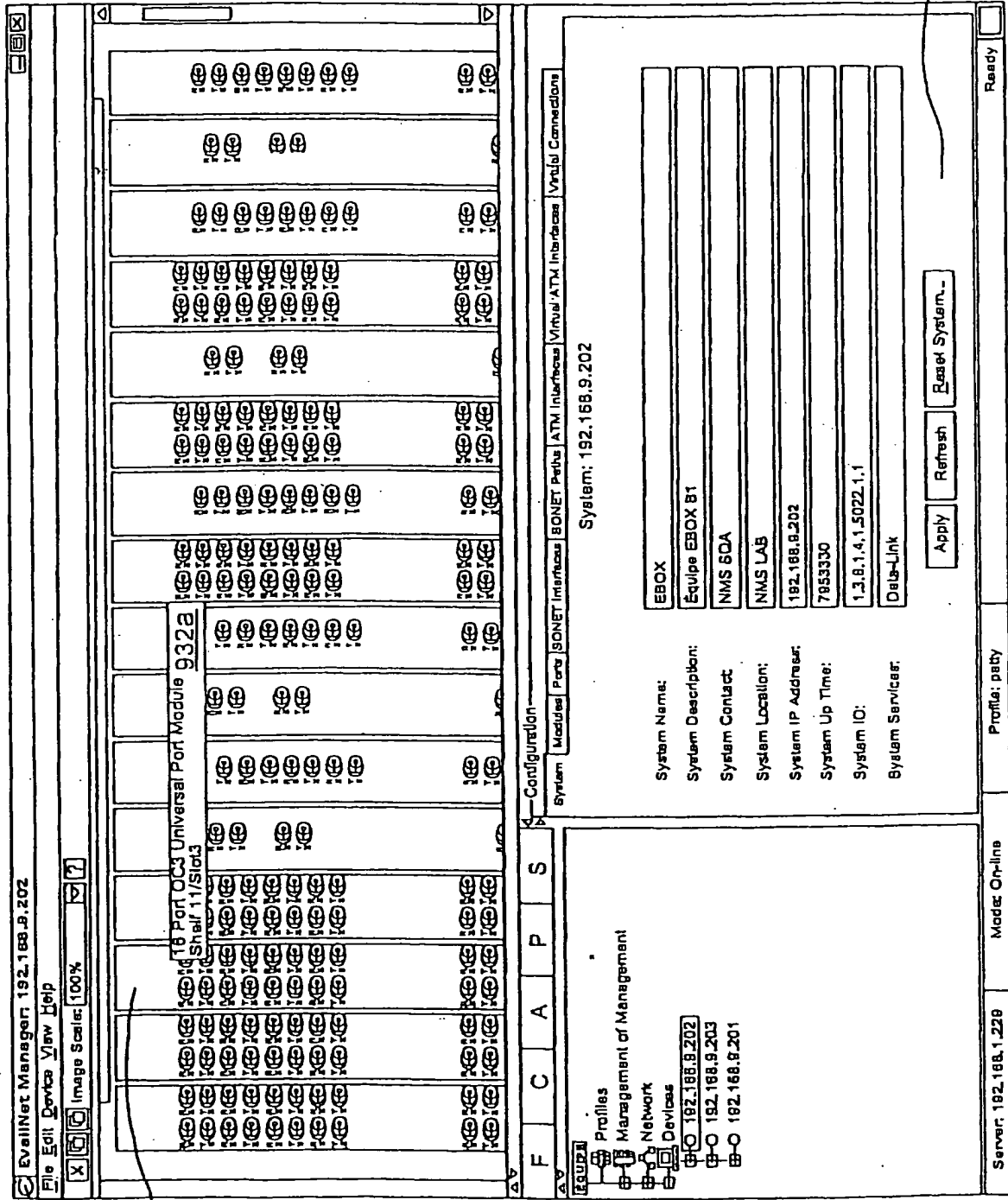


FIG. 40

933

2687

FIG. 4S

895

EvalNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%

4 Port OC48 Universal Port Module 932C
16 Slot 11/Slot 5

896a

897

937

556d

F C A P S

Profiles
Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201

Configuration

System Modules Ports SONET Interfaces ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.202

Module Details

Slot & Sub	Location	Description	Over. Status	Temperature	Version	Ref. Date	Part #
7/6	front	Cross Connect	Status Unknown	Temp Unknown			
8/1	front	Small Fan Tray	Status Unknown	Temp Unknown			
8/1	back	Small Fan Tray	Status Unknown	Temp Unknown			
10/1	back	Management Interface	Status Unknown	Temp Unknown			
11/1	back	16 Port OC3 Universal Port	Status Unknown	Temp Unknown			
11/2	back	16 Port OC3 Universal Port	Status Unknown	Temp Unknown			
11/3	back	16 Port OC3 Universal Port	Status Unknown	Temp Unknown			
11/4	back	16 Port OC12 Universal Port	Status Unknown	Temp Unknown			
11/5	back	4 Port OC48 Universal Port	Status Unknown	Temp Unknown			
11/6	back	4 Port OC12 Universal Port	Status Unknown	Temp Unknown			
11/7	back	4 Port OC48 Universal Port	Status Unknown	Temp Unknown			
11/8	back	8 Port OC12 Universal Port	Status Unknown	Temp Unknown			
11/9	back	16 Port OC12 Universal Port	Status Unknown	Temp Unknown			
11/10	back	16 Port OC12 Universal Port	Status Unknown	Temp Unknown			

Module Count: 64

Refresh Reset Module(s) Software...

Profile: patty Mode: On-line

Server: 192.168.1.228

Ready

FIG. 4T

895

556e

939a

896a

939b

897

EvalNet Manager: 192.168.9.202
File Edit Devices View Help
Image Scale: 100%

System: 192.168.9.202

Configuration: Ports SONY Interfaces SONY Ports ATM Interfaces Virtual ATM Interfaces Virtual Connections

Port Details

Shelf / Slot / Port	Location	Name	Type	Speed	Admin. Status	Oper. Status	Link Status
11/2/10	back	Sony Port 10	SONET	0 Mbps	Down	Unknown	Up
11/2/11	back	Sony Port 11	SONET	0 Mbps	Down	Unknown	Up
11/2/12	back	Sony Port 12	SONET	0 Mbps	Down	Unknown	Up
11/2/13	back	Sony Port 13	SONET	0 Mbps	Down	Unknown	Up
11/2/14	back	Sony Port 14	SONET	0 Mbps	Down	Unknown	Up
11/2/15	back	Sony Port 15	SONET	0 Mbps	Down	Unknown	Up
11/2/16	back	Sony Port 16	SONET	0 Mbps	Down	Unknown	Up
11/2/17	back	Sony Port 17	SONET	0 Mbps	Down	Unknown	Up
11/2/18	back	Sony Port 18	SONET	0 Mbps	Down	Unknown	Up
11/2/19	back	Sony Port 19	SONET	0 Mbps	Down	Unknown	Up
11/2/20	back	Sony Port 20	SONET	0 Mbps	Down	Unknown	Up
11/2/21	back	Sony Port 21	SONET	0 Mbps	Down	Unknown	Up
11/2/22	back	Sony Port 22	SONET	0 Mbps	Down	Unknown	Up
11/2/23	back	Sony Port 23	SONET	0 Mbps	Down	Unknown	Up
11/2/24	back	Sony Port 24	SONET	0 Mbps	Down	Unknown	Up
11/2/25	back	Sony Port 25	SONET	0 Mbps	Down	Unknown	Up
11/2/26	back	Sony Port 26	SONET	0 Mbps	Down	Unknown	Up
11/2/27	back	Sony Port 27	SONET	0 Mbps	Down	Unknown	Up
11/2/28	back	Sony Port 28	SONET	0 Mbps	Down	Unknown	Up
11/2/29	back	Sony Port 29	SONET	0 Mbps	Down	Unknown	Up
11/2/30	back	Sony Port 30	SONET	0 Mbps	Down	Unknown	Up

Port Count: 16

Ready

Server: 192.168.1.229 Mode: On-line

Profile: paly

Disable... Refresh Reset...

Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201

FIG. 4U



FIG. 4W

895

958 958a

958b

958c

958d

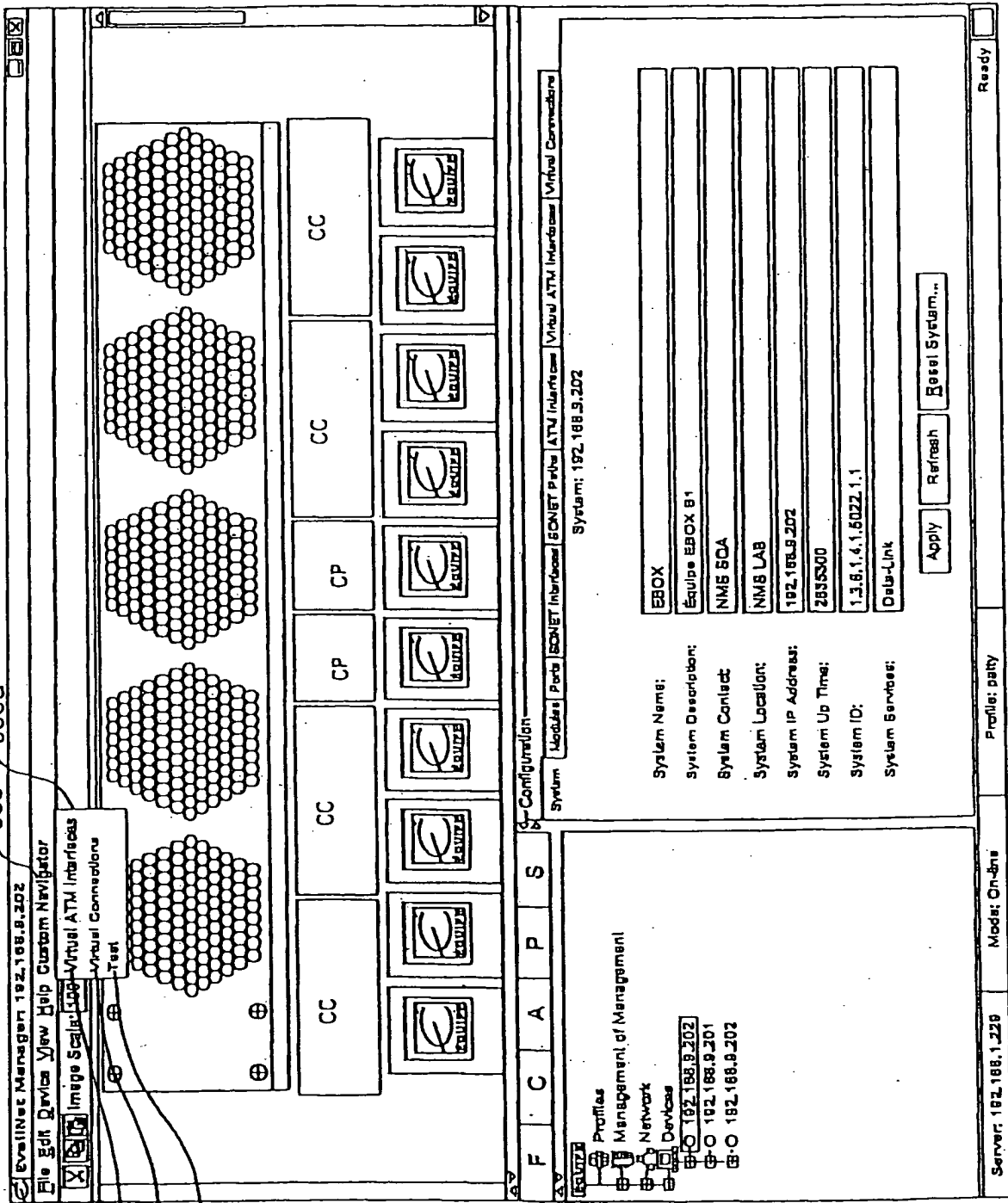


FIG. 4X

961

EvailNet Manager: SONET Path Configuration 11/5/1

System: 192.168.9.202

SONET Line

961a

Slot

Port

Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

STS-12c

paths

Next

Cancel

961b

FIG. 4Z

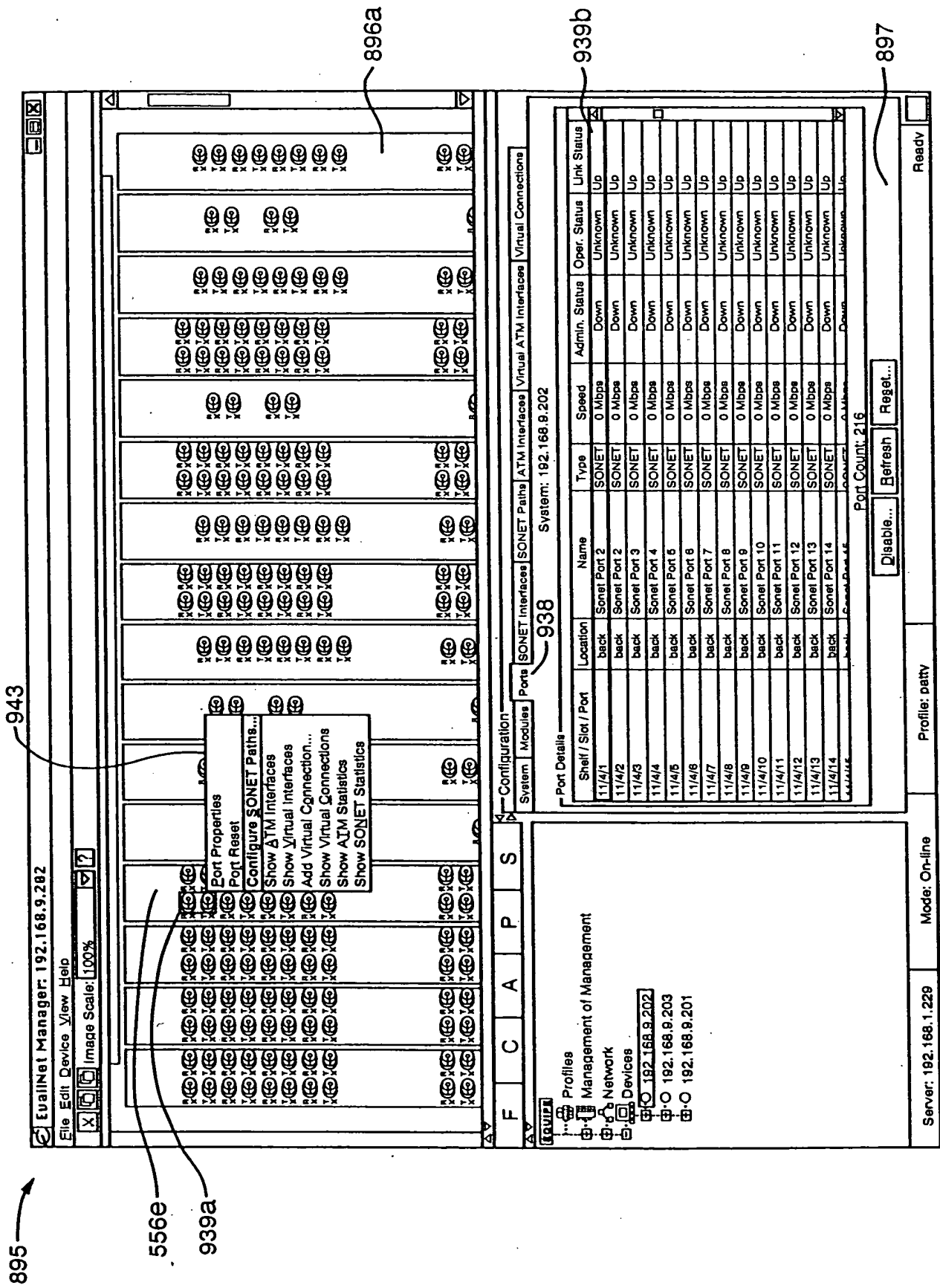


FIG. 5A

944

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

STS-3c

paths

OK

Cancel

944b

944c

944d

944r

944q

FIG. 5B

944

EvalNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4 STS-3c paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/4/1	1	STS-12c	Termin.	ATM		

Modify

OK Cancel

Graphical Representation

Position Width

1 STS-12c

944b 944g 944e 944f 944p 944r 944q

FIG. 5C

EvallNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☒ **Configure**
☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-3c	Termin.	ATM		
11/4/1	Path2_11/...	4	STS-3c	Termin.	ATM		
11/4/1	Path3_11/...	7	STS-3c	Termin.	ATM		
11/4/1	Path4_11/...	10	STS-3c	Termin.	ATM		

Modify

OK Cancel

Graphical Representation

Position

Width

1

STS-3c

4

STS-3c

7

STS-3c

10

STS-3c

FIG. 5D

EvallNet Manager: SONET Path Configuration - 11/4/1

SONET Line

Slot

4

Port

1

Type

OC12

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
Shelf11/Sl...	Path1_11/...	1	3	2	1		
Shelf11/Sl...	Path2_11/...	4	3	2	1		

944p

Modify

Add

Delete

Graphical Representation

Position

1

4

Width

STS-3C

STS-3C

945e

945f

945a

945g

945k

945r

945m

945n

945

FIG. 5G



Made: On-line

FIG. 51

895

EvalNet Manager 192.168.8.202

File Edit Device View Help

Image Scale: 100%

895

556d

941a

896a

949a

897

898

Profiles

Management of Management

Network

Devices

898a

898b

898

Configuration

System Modules Ports S

SONET Profiles ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.8.202

SONET Lines

Shelf / Slot	Location	Medium Ty	Circuit ID	Line Coding	Loopback	Line	Path Count
11/4/14	back	SONET		NRZ	Terminal	Disabled	0
11/4/15	back	SONET		NRZ	Terminal	Disabled	0
11/4/16	back	SONET		NRZ	Terminal	Disabled	0
11/5/1	back	SONET		NRZ	Terminal	Disabled	0
11/5/2	back	SONET		NRZ	Terminal	Disabled	0
11/5/3	back	SONET		NRZ	Terminal	Disabled	0
11/5/4	back	SONET		NRZ	Terminal	Disabled	0
11/5/5	back	SONET		NRZ	Terminal	Disabled	0
11/5/6	back	SONET		NRZ	Terminal	Disabled	0
11/5/7	back	SONET		NRZ	Terminal	Disabled	0
11/5/8	back	SONET		NRZ	Terminal	Disabled	0
11/5/9	back	SONET		NRZ	Terminal	Disabled	0
11/5/10	back	SONET		NRZ	Terminal	Disabled	0
11/5/11	back	SONET		NRZ	Terminal	Disabled	0
11/5/12	back	SONET		NRZ	Terminal	Disabled	0
11/5/13	back	SONET		NRZ	Terminal	Disabled	0
11/5/14	back	SONET		NRZ	Terminal	Disabled	0
11/5/15	back	SONET		NRZ	Terminal	Disabled	0
11/5/16	back	SONET		NRZ	Terminal	Disabled	0
11/5/17	back	SONET		NRZ	Terminal	Disabled	0
11/5/18	back	SONET		NRZ	Terminal	Disabled	0
11/5/19	back	SONET		NRZ	Terminal	Disabled	0
11/5/20	back	SONET		NRZ	Terminal	Disabled	0
11/5/21	back	SONET		NRZ	Terminal	Disabled	0
11/5/22	back	SONET		NRZ	Terminal	Disabled	0
11/5/23	back	SONET		NRZ	Terminal	Disabled	0
11/5/24	back	SONET		NRZ	Terminal	Disabled	0
11/5/25	back	SONET		NRZ	Terminal	Disabled	0
11/5/26	back	SONET		NRZ	Terminal	Disabled	0
11/5/27	back	SONET		NRZ	Terminal	Disabled	0
11/5/28	back	SONET		NRZ	Terminal	Disabled	0
11/5/29	back	SONET		NRZ	Terminal	Disabled	0
11/5/30	back	SONET		NRZ	Terminal	Disabled	0
11/5/31	back	SONET		NRZ	Terminal	Disabled	0
11/5/32	back	SONET		NRZ	Terminal	Disabled	0
11/5/33	back	SONET		NRZ	Terminal	Disabled	0
11/5/34	back	SONET		NRZ	Terminal	Disabled	0
11/5/35	back	SONET		NRZ	Terminal	Disabled	0
11/5/36	back	SONET		NRZ	Terminal	Disabled	0
11/5/37	back	SONET		NRZ	Terminal	Disabled	0
11/5/38	back	SONET		NRZ	Terminal	Disabled	0
11/5/39	back	SONET		NRZ	Terminal	Disabled	0
11/5/40	back	SONET		NRZ	Terminal	Disabled	0
11/5/41	back	SONET		NRZ	Terminal	Disabled	0
11/5/42	back	SONET		NRZ	Terminal	Disabled	0
11/5/43	back	SONET		NRZ	Terminal	Disabled	0
11/5/44	back	SONET		NRZ	Terminal	Disabled	0
11/5/45	back	SONET		NRZ	Terminal	Disabled	0
11/5/46	back	SONET		NRZ	Terminal	Disabled	0
11/5/47	back	SONET		NRZ	Terminal	Disabled	0
11/5/48	back	SONET		NRZ	Terminal	Disabled	0
11/5/49	back	SONET		NRZ	Terminal	Disabled	0
11/5/50	back	SONET		NRZ	Terminal	Disabled	0
11/5/51	back	SONET		NRZ	Terminal	Disabled	0
11/5/52	back	SONET		NRZ	Terminal	Disabled	0
11/5/53	back	SONET		NRZ	Terminal	Disabled	0
11/5/54	back	SONET		NRZ	Terminal	Disabled	0
11/5/55	back	SONET		NRZ	Terminal	Disabled	0
11/5/56	back	SONET		NRZ	Terminal	Disabled	0
11/5/57	back	SONET		NRZ	Terminal	Disabled	0
11/5/58	back	SONET		NRZ	Terminal	Disabled	0
11/5/59	back	SONET		NRZ	Terminal	Disabled	0
11/5/60	back	SONET		NRZ	Terminal	Disabled	0
11/5/61	back	SONET		NRZ	Terminal	Disabled	0
11/5/62	back	SONET		NRZ	Terminal	Disabled	0
11/5/63	back	SONET		NRZ	Terminal	Disabled	0
11/5/64	back	SONET		NRZ	Terminal	Disabled	0
11/5/65	back	SONET		NRZ	Terminal	Disabled	0
11/5/66	back	SONET		NRZ	Terminal	Disabled	0
11/5/67	back	SONET		NRZ	Terminal	Disabled	0
11/5/68	back	SONET		NRZ	Terminal	Disabled	0
11/5/69	back	SONET		NRZ	Terminal	Disabled	0
11/5/70	back	SONET		NRZ	Terminal	Disabled	0
11/5/71	back	SONET		NRZ	Terminal	Disabled	0
11/5/72	back	SONET		NRZ	Terminal	Disabled	0
11/5/73	back	SONET		NRZ	Terminal	Disabled	0
11/5/74	back	SONET		NRZ	Terminal	Disabled	0
11/5/75	back	SONET		NRZ	Terminal	Disabled	0
11/5/76	back	SONET		NRZ	Terminal	Disabled	0
11/5/77	back	SONET		NRZ	Terminal	Disabled	0
11/5/78	back	SONET		NRZ	Terminal	Disabled	0
11/5/79	back	SONET		NRZ	Terminal	Disabled	0
11/5/80	back	SONET		NRZ	Terminal	Disabled	0
11/5/81	back	SONET		NRZ	Terminal	Disabled	0
11/5/82	back	SONET		NRZ	Terminal	Disabled	0
11/5/83	back	SONET		NRZ	Terminal	Disabled	0
11/5/84	back	SONET		NRZ	Terminal	Disabled	0
11/5/85	back	SONET		NRZ	Terminal	Disabled	0
11/5/86	back	SONET		NRZ	Terminal	Disabled	0
11/5/87	back	SONET		NRZ	Terminal	Disabled	0
11/5/88	back	SONET		NRZ	Terminal	Disabled	0
11/5/89	back	SONET		NRZ	Terminal	Disabled	0
11/5/90	back	SONET		NRZ	Terminal	Disabled	0
11/5/91	back	SONET		NRZ	Terminal	Disabled	0
11/5/92	back	SONET		NRZ	Terminal	Disabled	0
11/5/93	back	SONET		NRZ	Terminal	Disabled	0
11/5/94	back	SONET		NRZ	Terminal	Disabled	0
11/5/95	back	SONET		NRZ	Terminal	Disabled	0
11/5/96	back	SONET		NRZ	Terminal	Disabled	0
11/5/97	back	SONET		NRZ	Terminal	Disabled	0
11/5/98	back	SONET		NRZ	Terminal	Disabled	0
11/5/99	back	SONET		NRZ	Terminal	Disabled	0
11/5/100	back	SONET		NRZ	Terminal	Disabled	0

SONET Interface Count: 216

940a Path... Refresh

Profile: parity

Ready

Server: 192.168.1.229 Mode: On-line

FIG. 5J

SONET Line

Slot

Port

Type

System: 192.168.9.202

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

paths

FIG. 5K

EvalNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)
 ☒

Configure

☐ Custom Configuration

4

▽

STS-12c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-12c	Termin.	ATM		
11/5/2	Path2_11/...	13	STS-12c	Termin.	ATM		
11/5/2	Path3_11/...	25	STS-12c	Termin.	ATM		
11/5/2	Path4_11/...	37	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12c

13

STS-12c

25

STS-12c

37

STS-12c

OK

Cancel

FIG. 5M

EvaiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

Configure a single concatenated path (STS-48c)

Configure

Custom Configuration

1

1

4

16

paths

STS-48c

Path Table

SONET Line	Path Name	Path Post.	Path Wl..	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-48c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-48c

944a

944b

944c

944d

944g

944p

944r

944q

944e

944f

944t

944s

944

FIG. 5N

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)
 ☒ Configure
 ☐ Custom Configuration

16

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-3c	Termin.	ATM		Δ
11/5/2	Path2_11/5/2	4	STS-3c	Termin.	ATM		
11/5/2	Path3_11/5/2	7	STS-3c	Termin.	ATM		
11/5/2	Path4_11/5/2	10	STS-3c	Termin.	ATM		
11/5/2	Path5_11/5/2	13	STS-3c	Termin.	ATM		
11/5/2	Path6_11/5/2	16	STS-3c	Termin.	ATM		
11/5/2	Path7_11/5/2	19	STS-3c	Termin.	ATM		▽

Modify

OK Cancel

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3c
10	STS-3c
13	STS-3c
16	STS-3c
19	STS-3c
22	STS-3c
25	STS-3c
28	STS-3c
31	STS-3c
34	STS-3c
37	STS-3c
40	STS-3c
43	STS-3c
45	STS-3c

FIG. 50

EvalNet Manager: SONET Path Configuration - 11/4/1							
System: 192.168.9.202							
SONET Line							
<input type="button" value="Slot"/> 5	<input type="button" value="Port"/> 2	<input type="button" value="Type"/> OC48					
SONET Path Wizard							
Configure a single concatenated path (STS-12c)							
<input type="radio"/> Configure	<input type="button" value="16"/> <input type="button" value="STS-3c"/> <input type="button" value="paths"/>						
<input checked="" type="radio"/> Custom Configuration							
Functions							
Available SONET Paths		Allocated SONET Paths					
<input type="button" value="Add>"/> <input type="button" value("<remove"=""/> <input type="button" value("<<clear"=""/>		<input type="button" value="↑"/> <input type="button" value="↓"/>					
<div style="border: 1px solid black; padding: 5px;"> STS-3C STS-12C <u>944i</u> </div>		<div style="border: 1px solid black; padding: 5px;"> STS-3C STS-3C STS-3C STS-3C STS-12C <u>944j</u> </div>					
Path Table							
SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/5/2	Path1_11/...	1	STS-3c	Terminated	ATM		<input type="button" value="Δ"/>
11/5/2	Path2_11/...	4	STS-3c	Terminated	ATM		
11/5/2	Path3_11/...	7		Terminated	ATM		<input type="button" value="▽"/>
<input type="button" value="Modify"/>							
<input type="button" value="OK"/> <input type="button" value="Cancel"/>							

FIG. 5B



FIG. 5Q

FIG. 5R

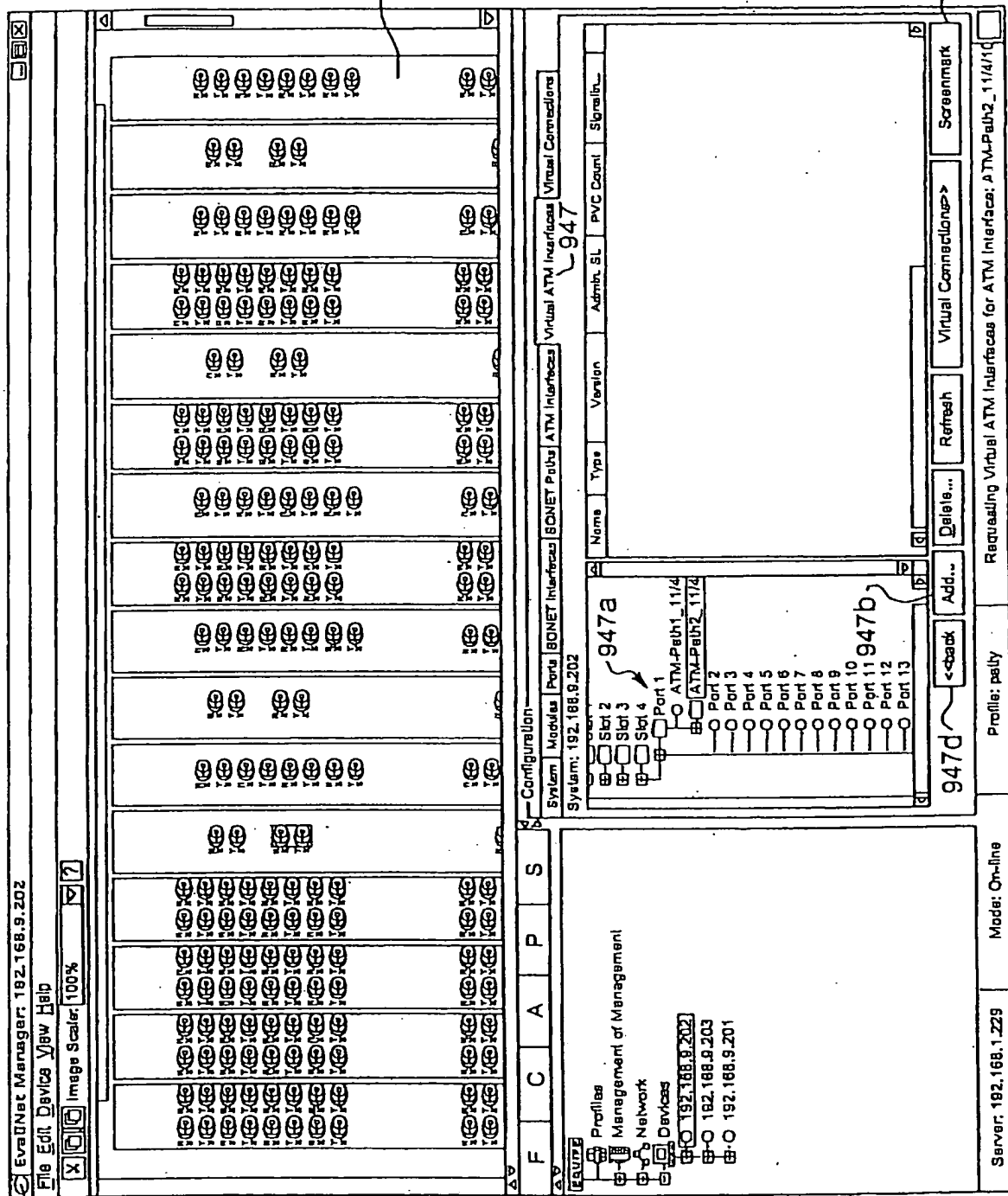


FIG. 55

950

Add V-ATM Interface - 192.168.9.202 [X]

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/4/1

Virtual ATM Interface Parameters

950d Name	.test1
950a Connection Type	Direct Link ▾
950b Version	UNI Network 3.1 ▾
950c Admin Status	Up ▾

950e

OK Cancel

FIG. 5T

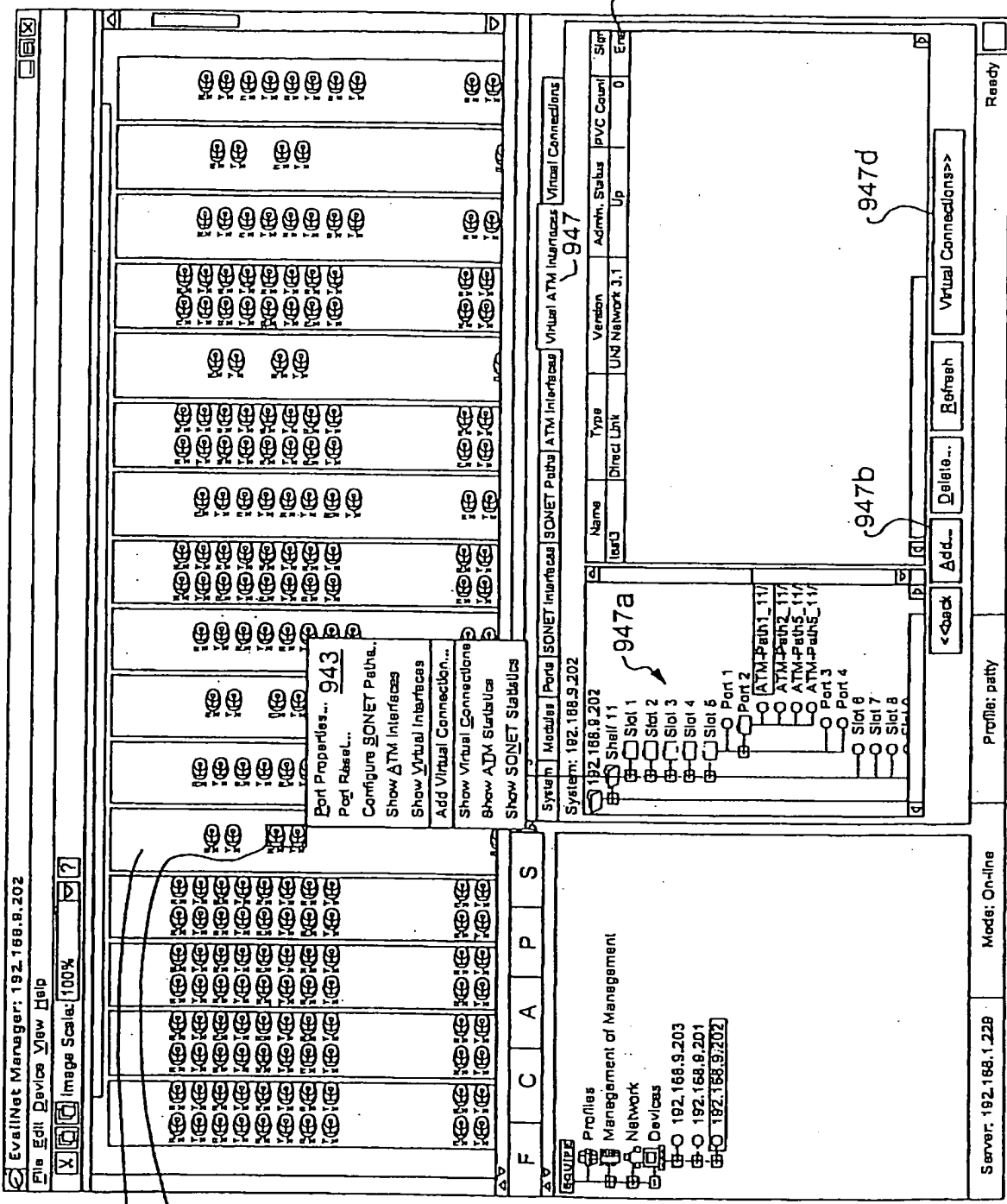


FIG. 5V

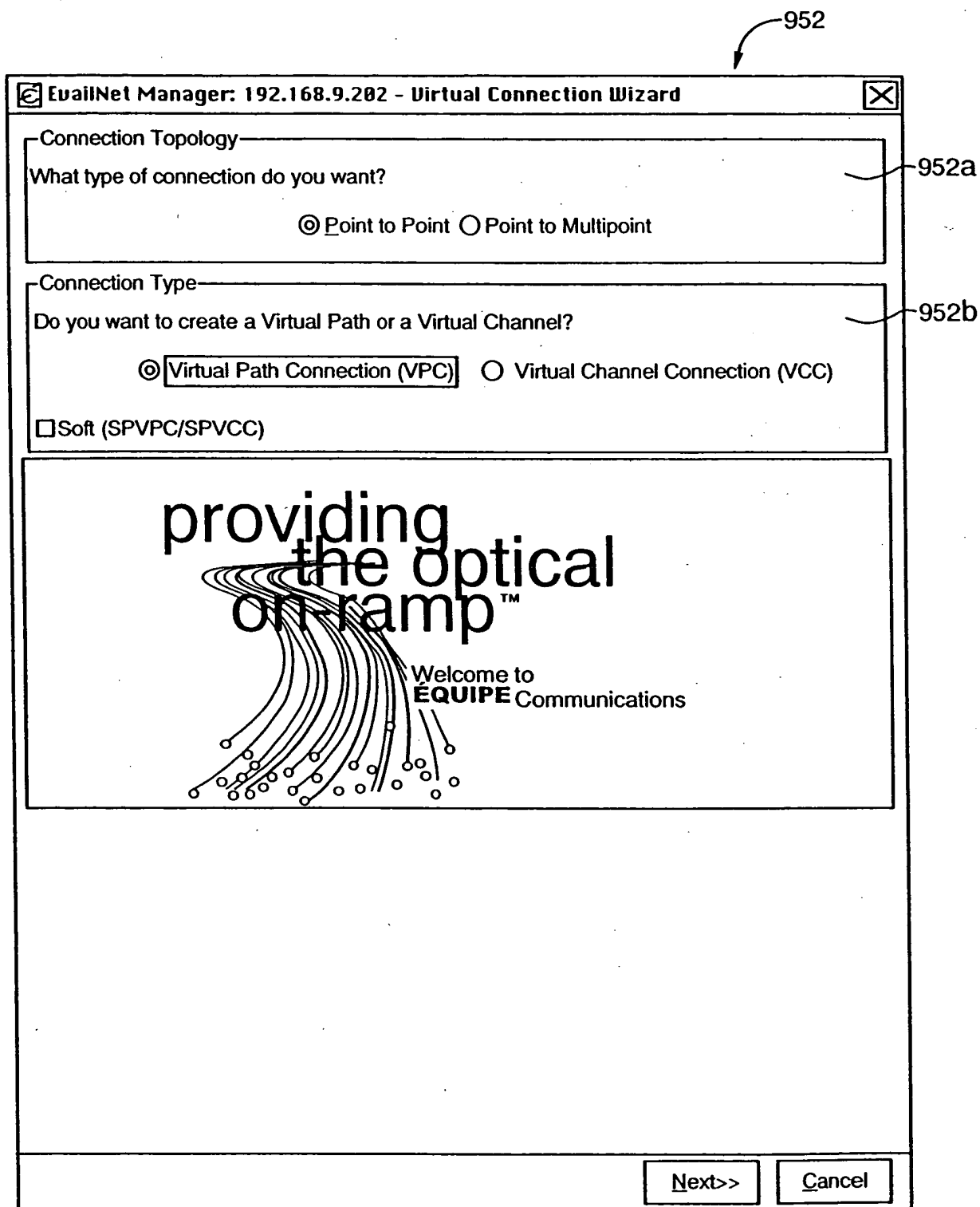


FIG. 5W

956

NEW TRAFFIC
DESCRIPTOR

NAME:

QoS CLASS:

▼

TYPE:

▼

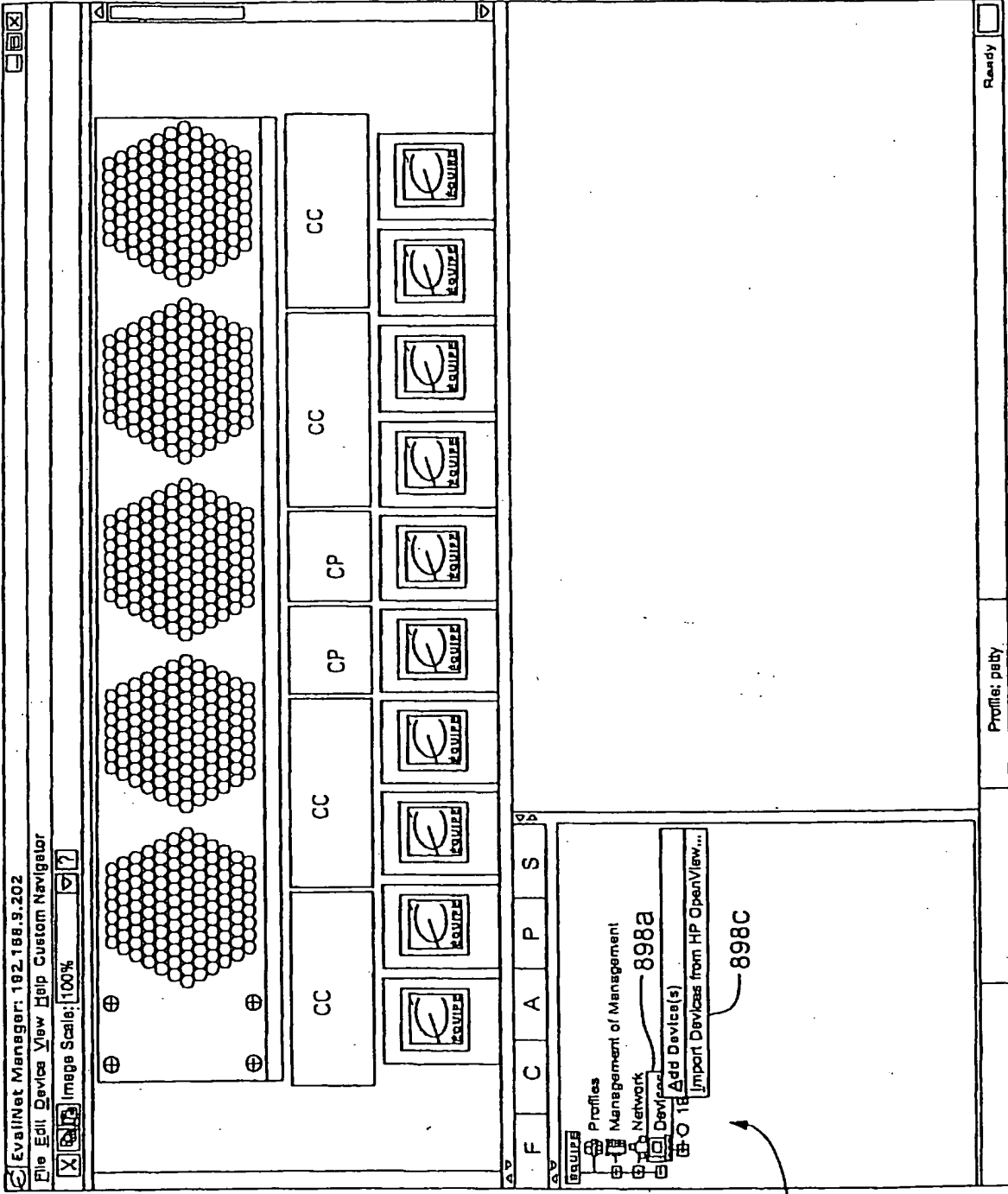
OK

CANCEL

FIG. 5Y

FIG. 5Z

895



898

FIG. 6A

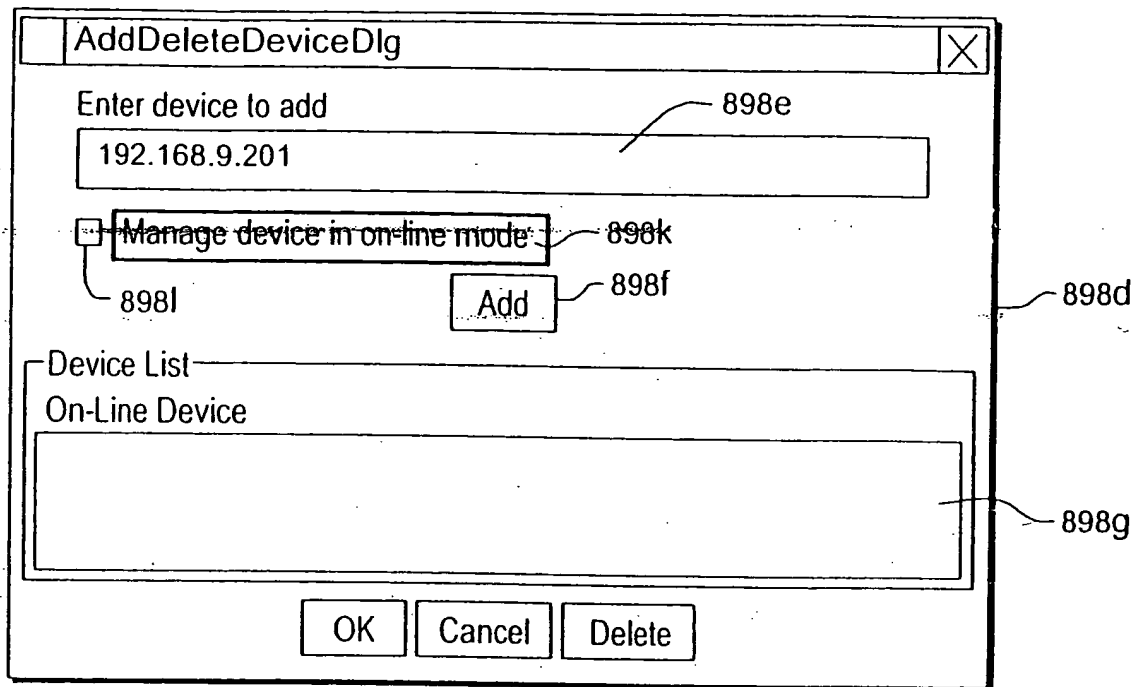


FIG. 6B

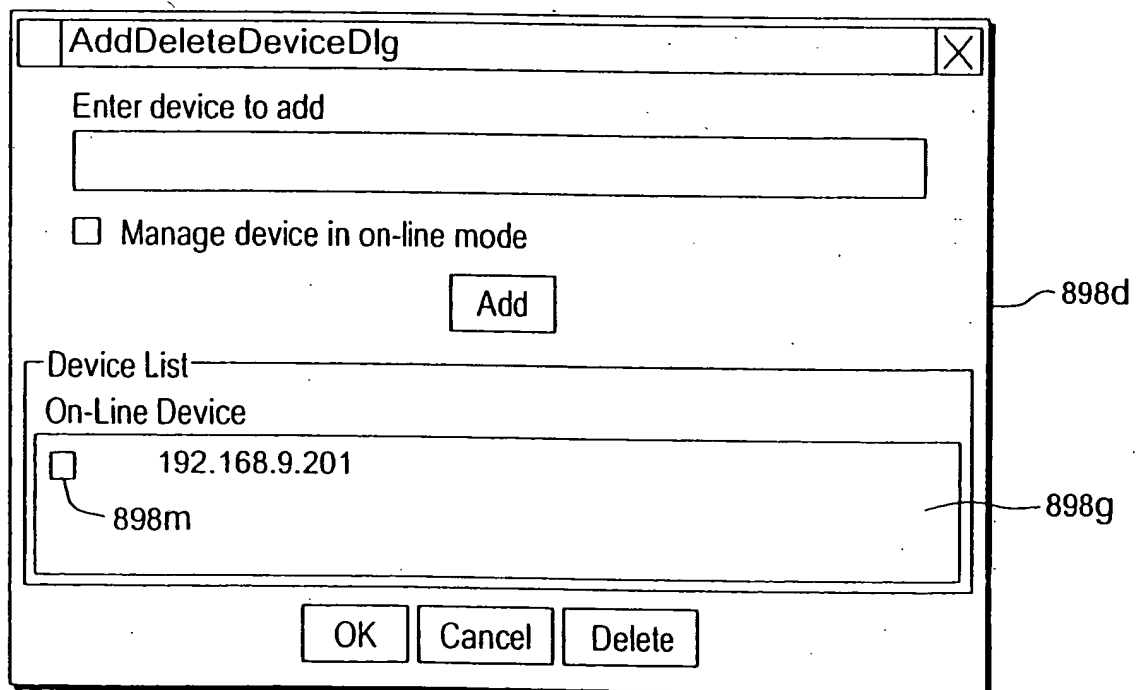


FIG. 6C

895

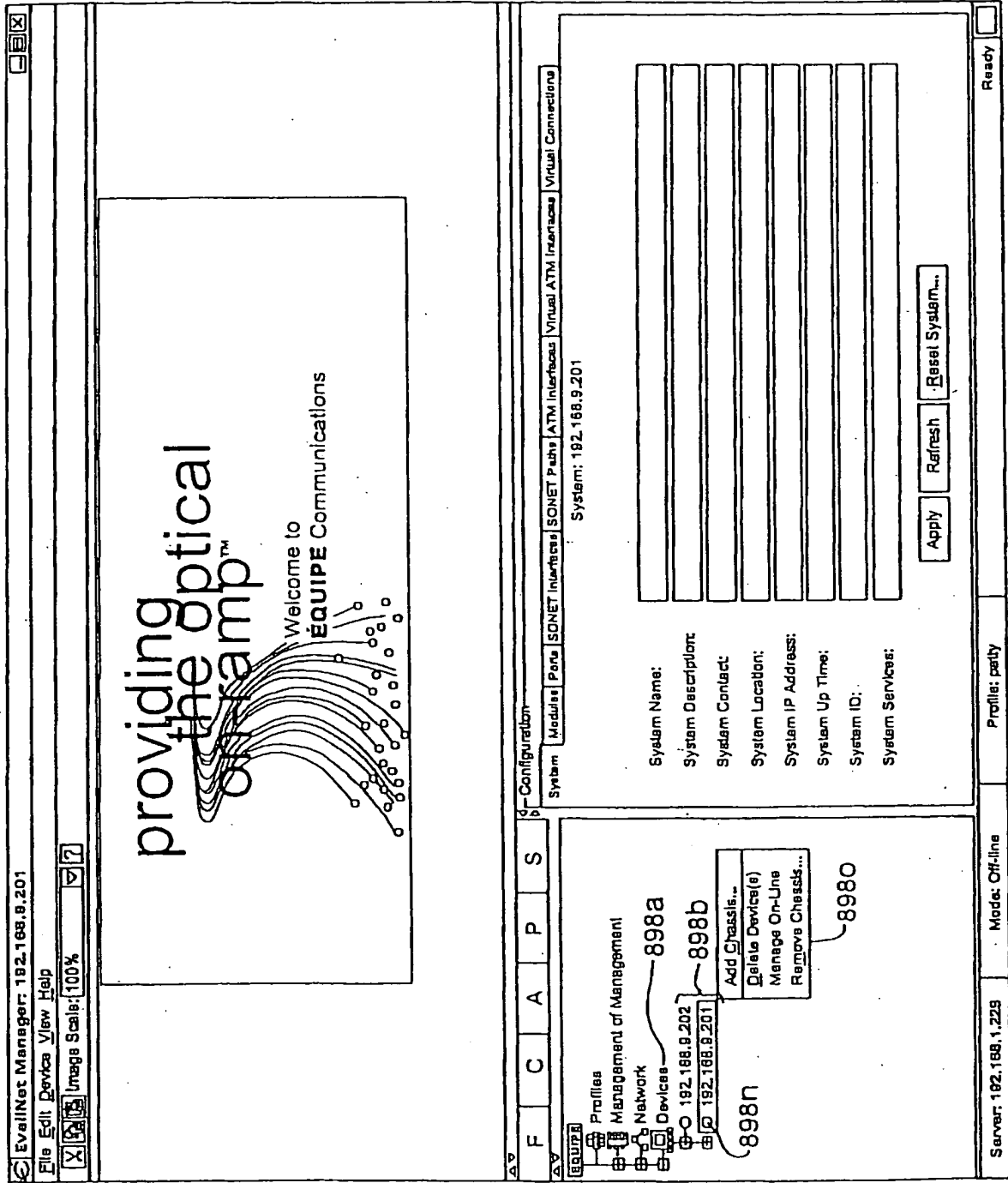


FIG. 6D

895

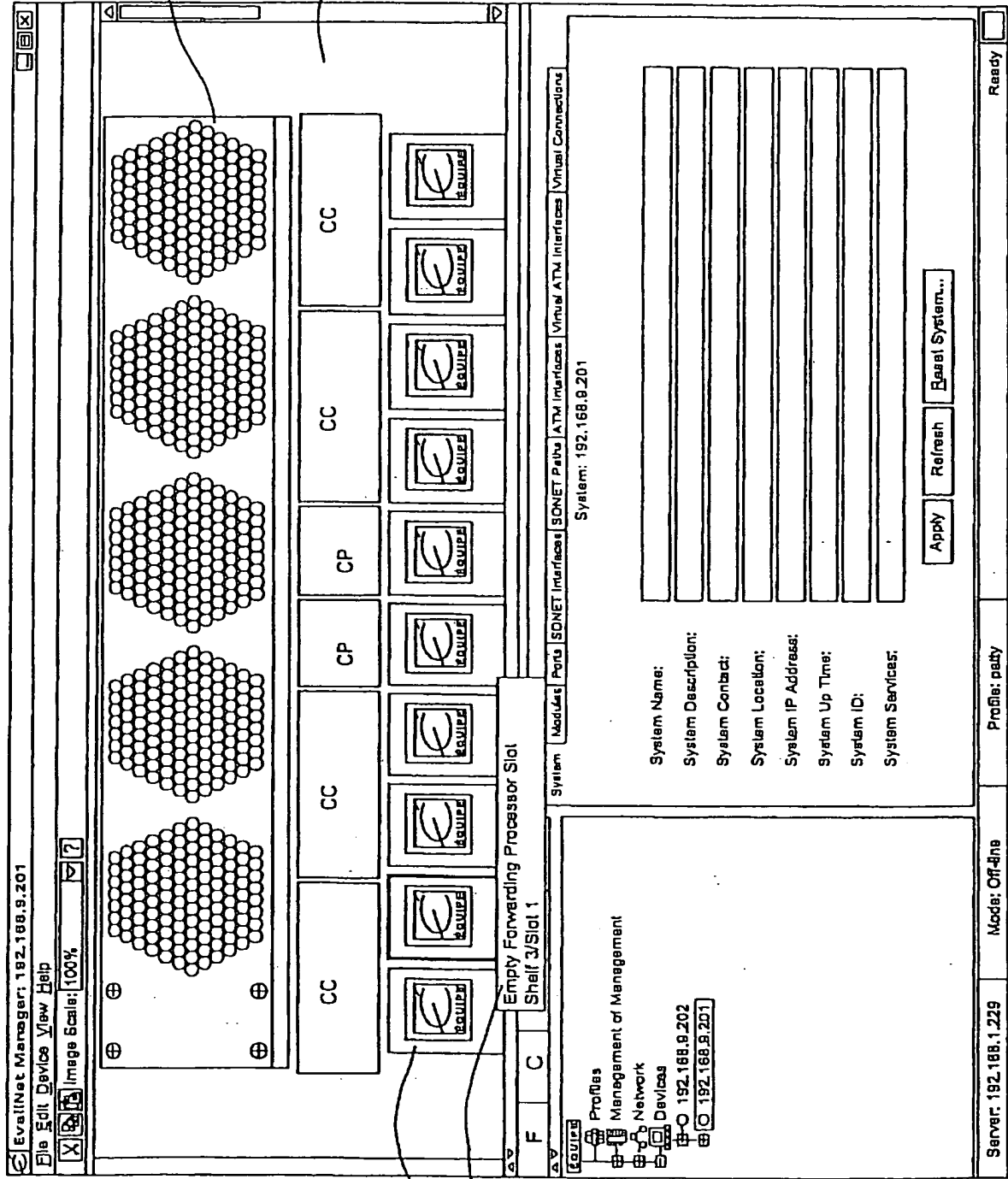


FIG. 6E

895

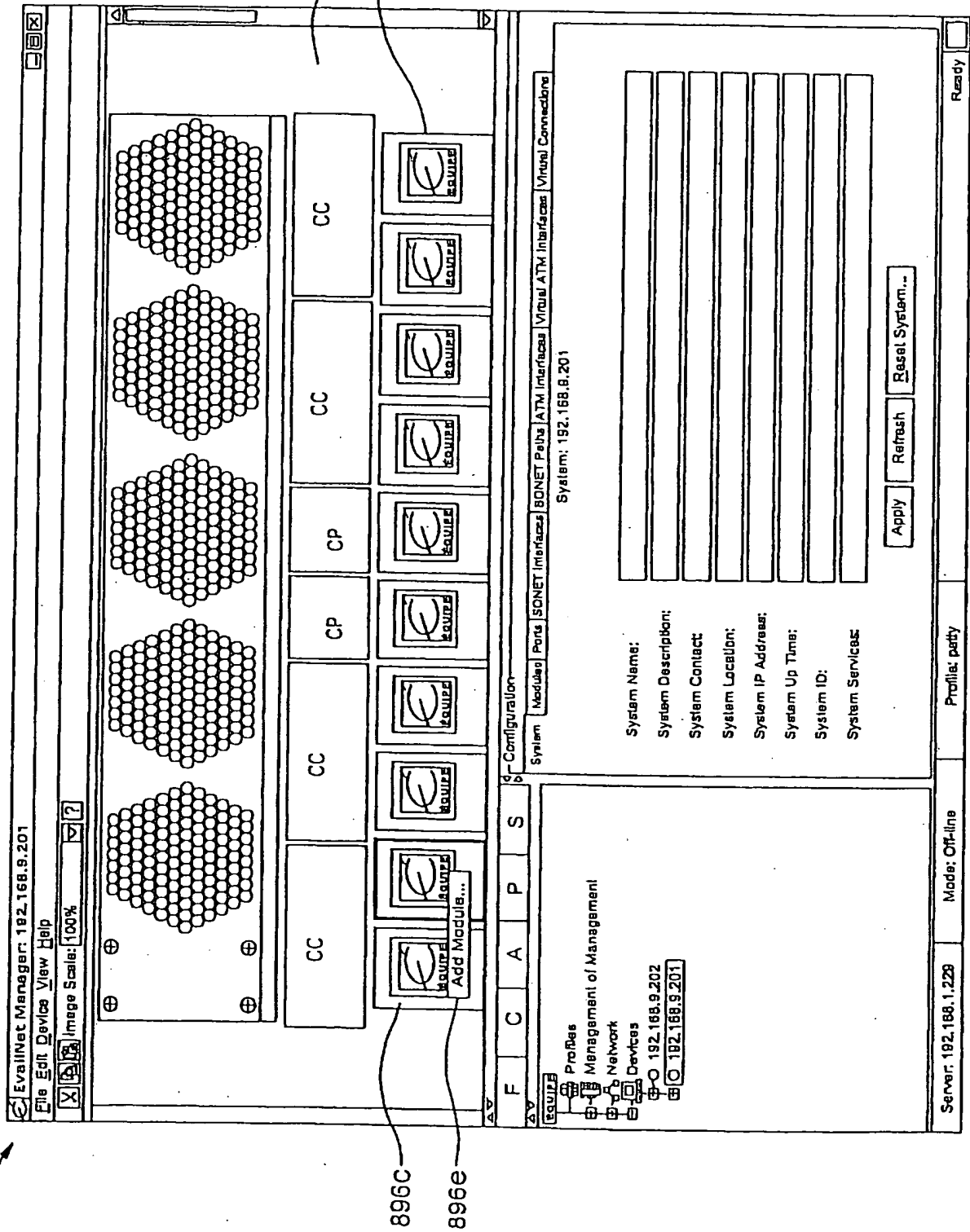
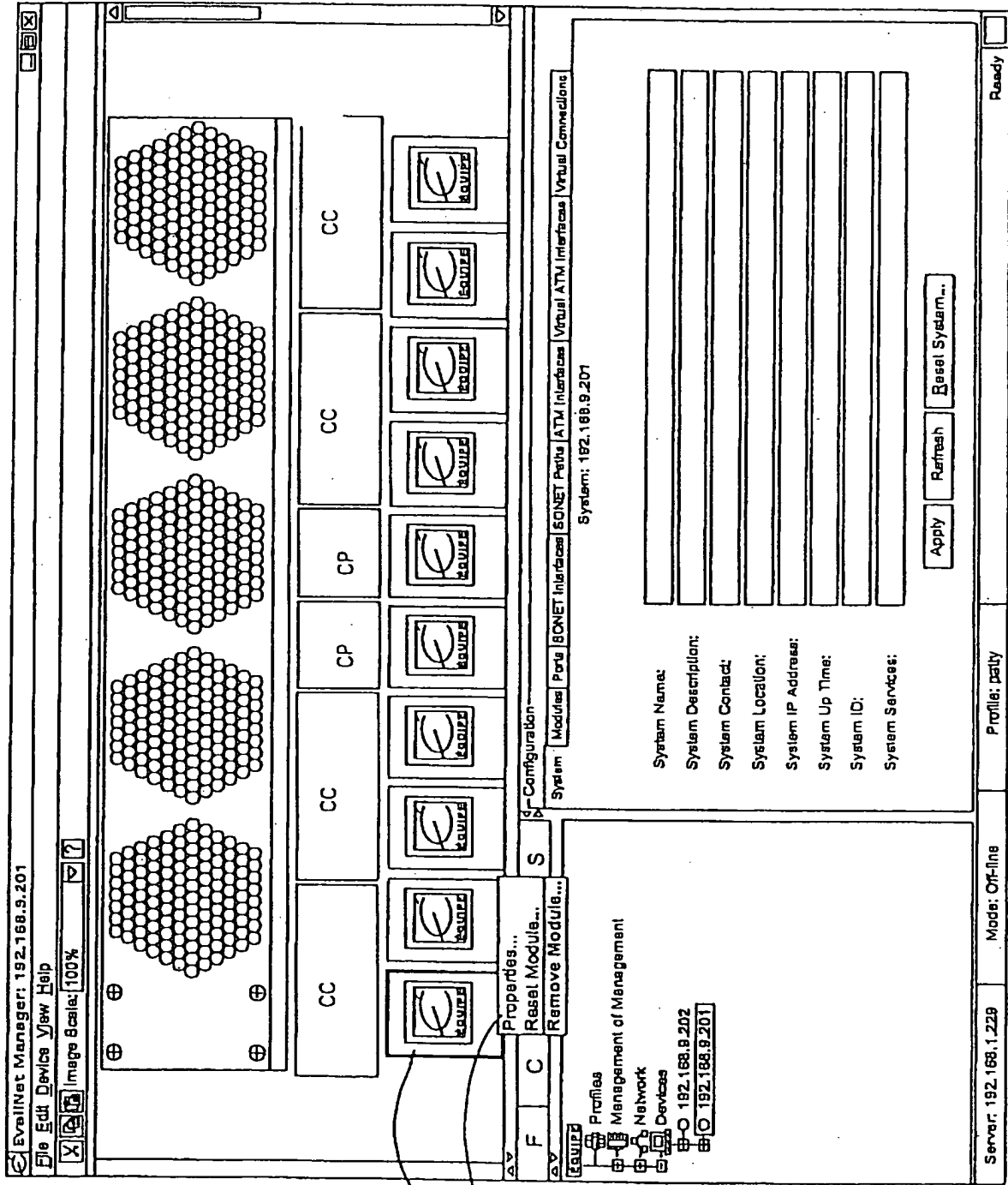


FIG. 6F

895

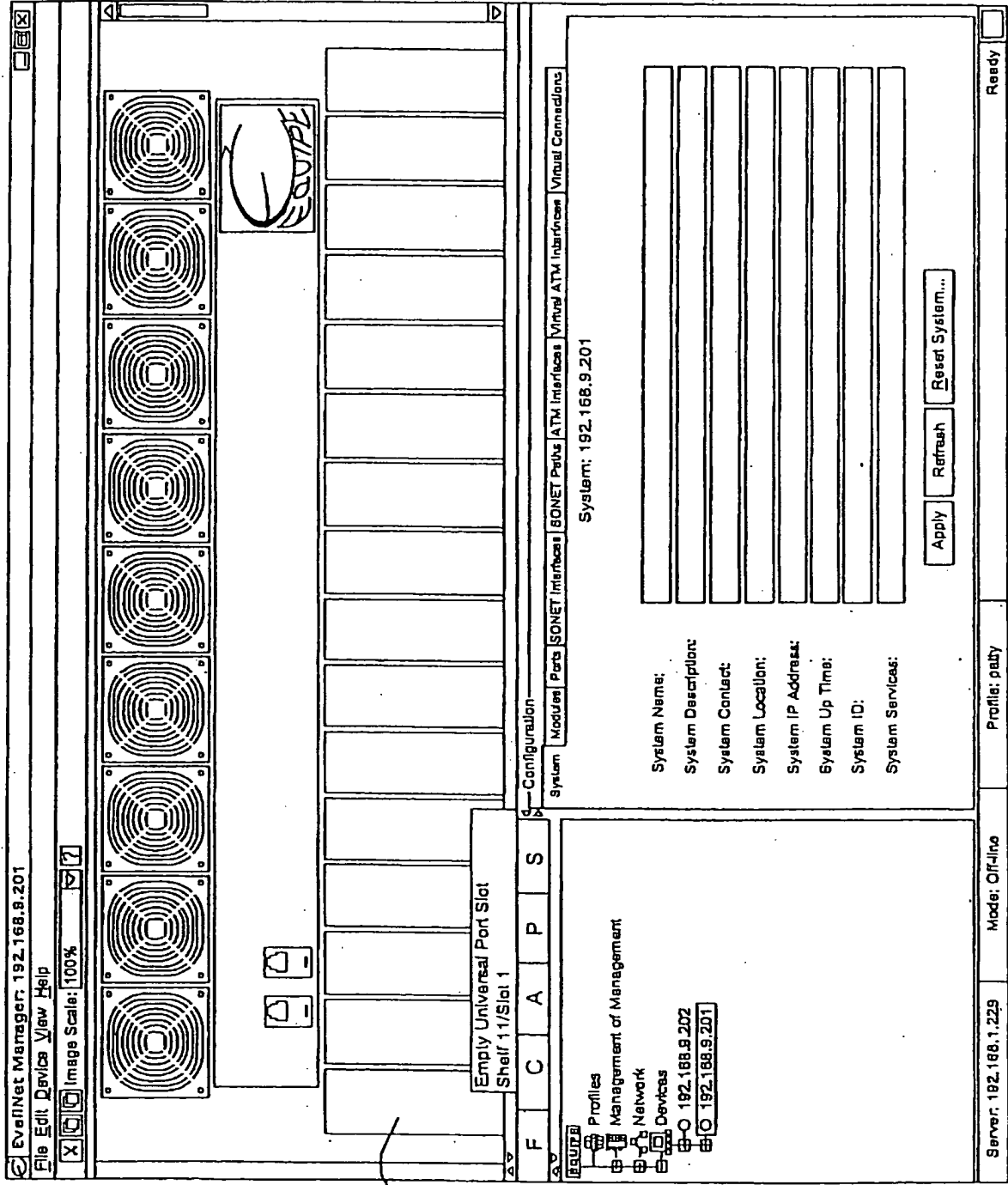


546a

896t

FIG. 6G

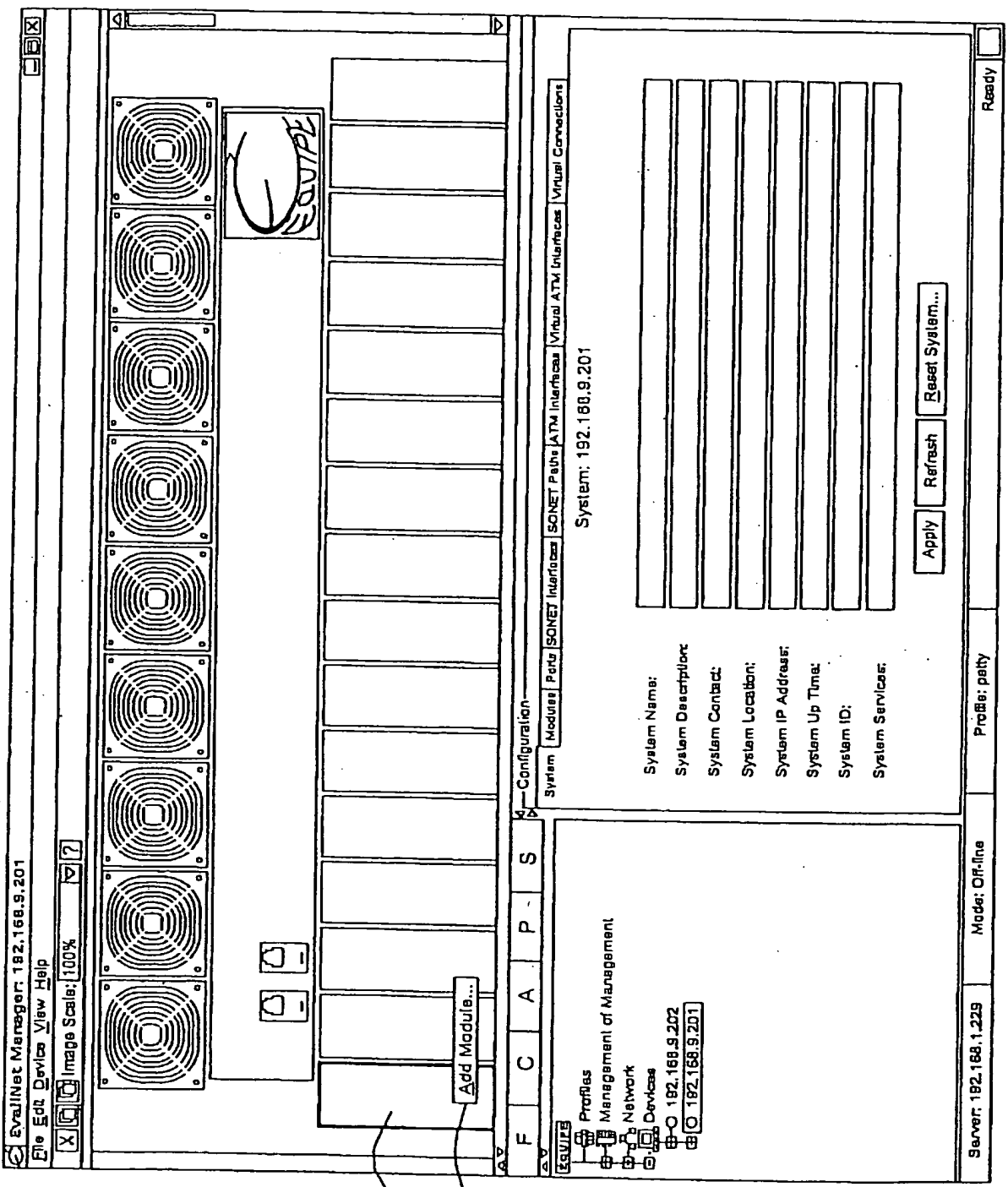
895



896f

FIG. 6H

895



896f

896g

FIG. 6I

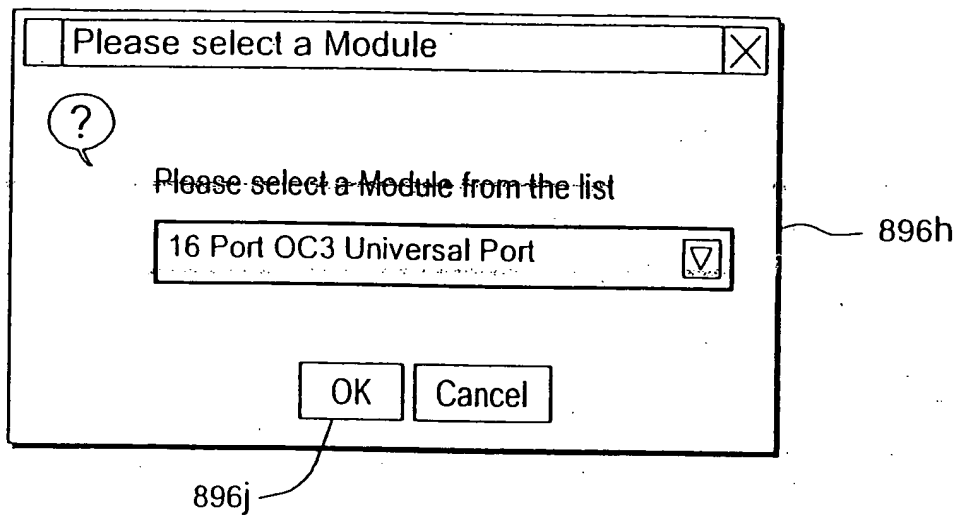


FIG. 6J

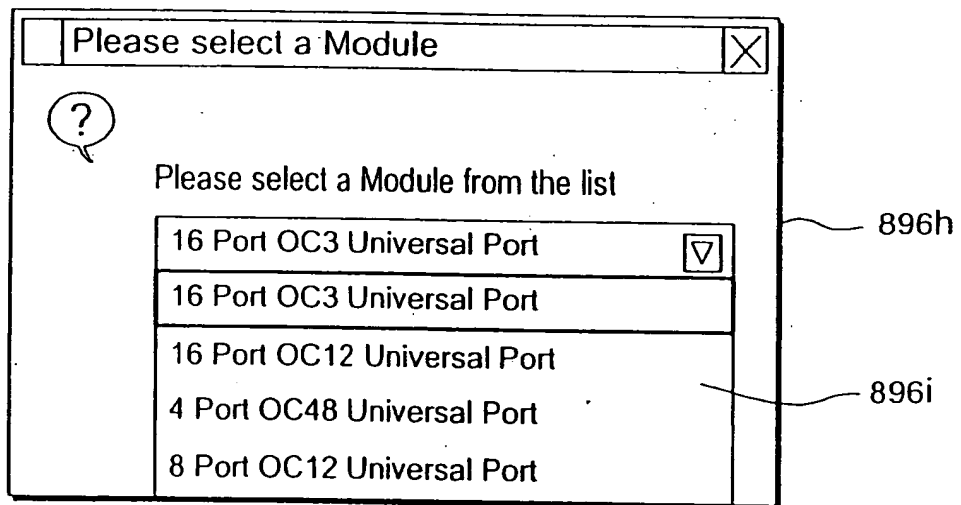


FIG. 6K

895

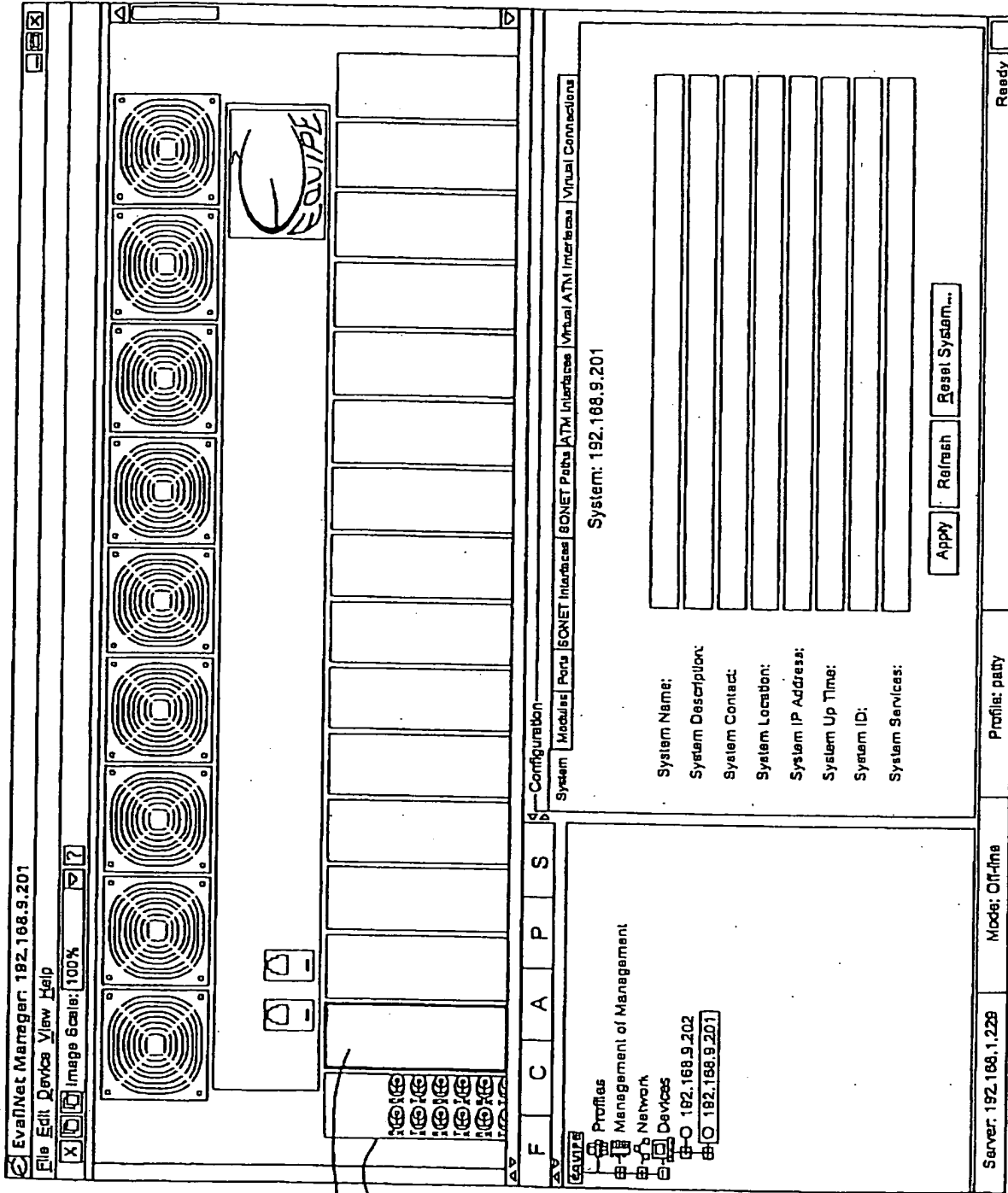


FIG. 6L

895

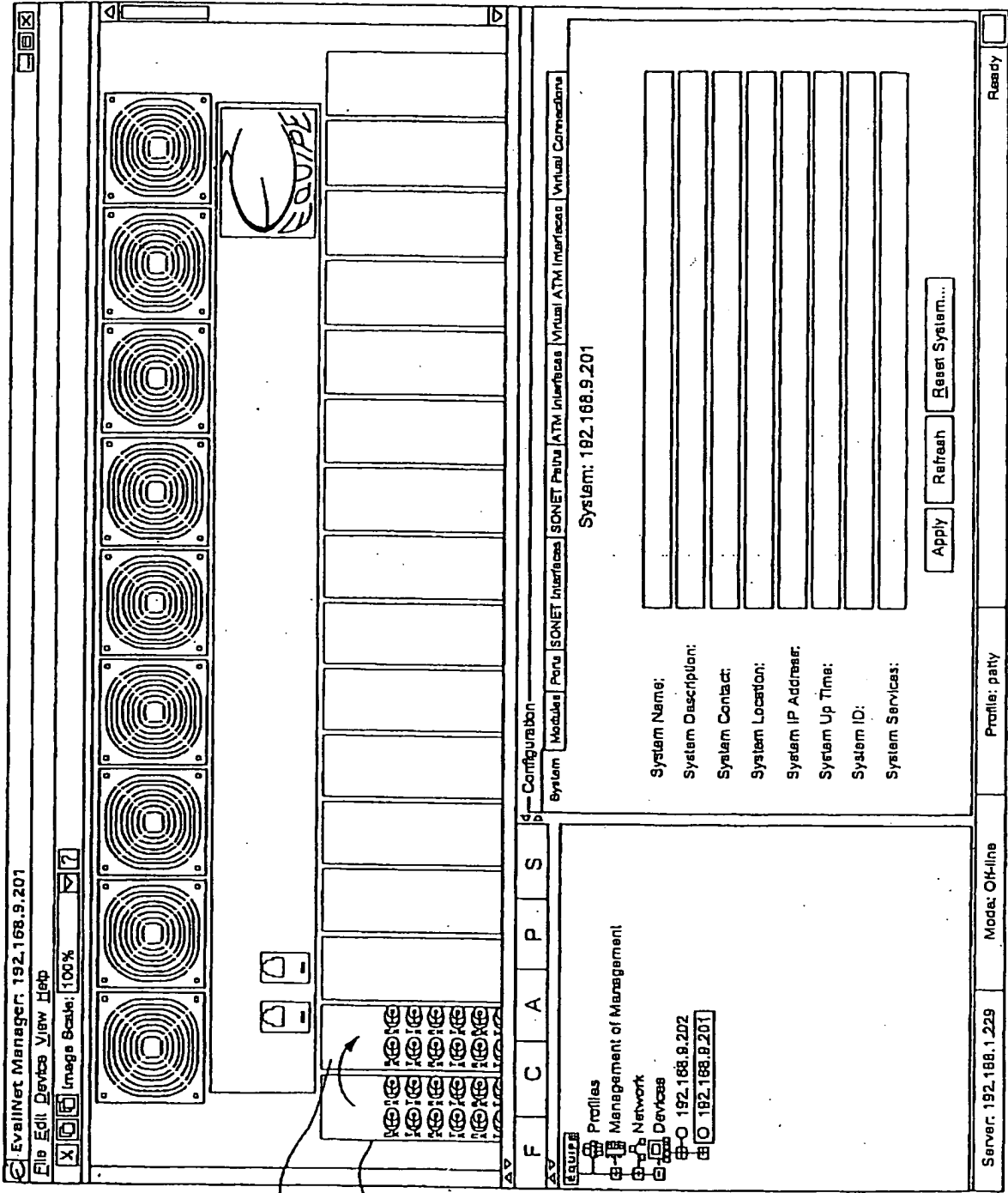


FIG. 6M

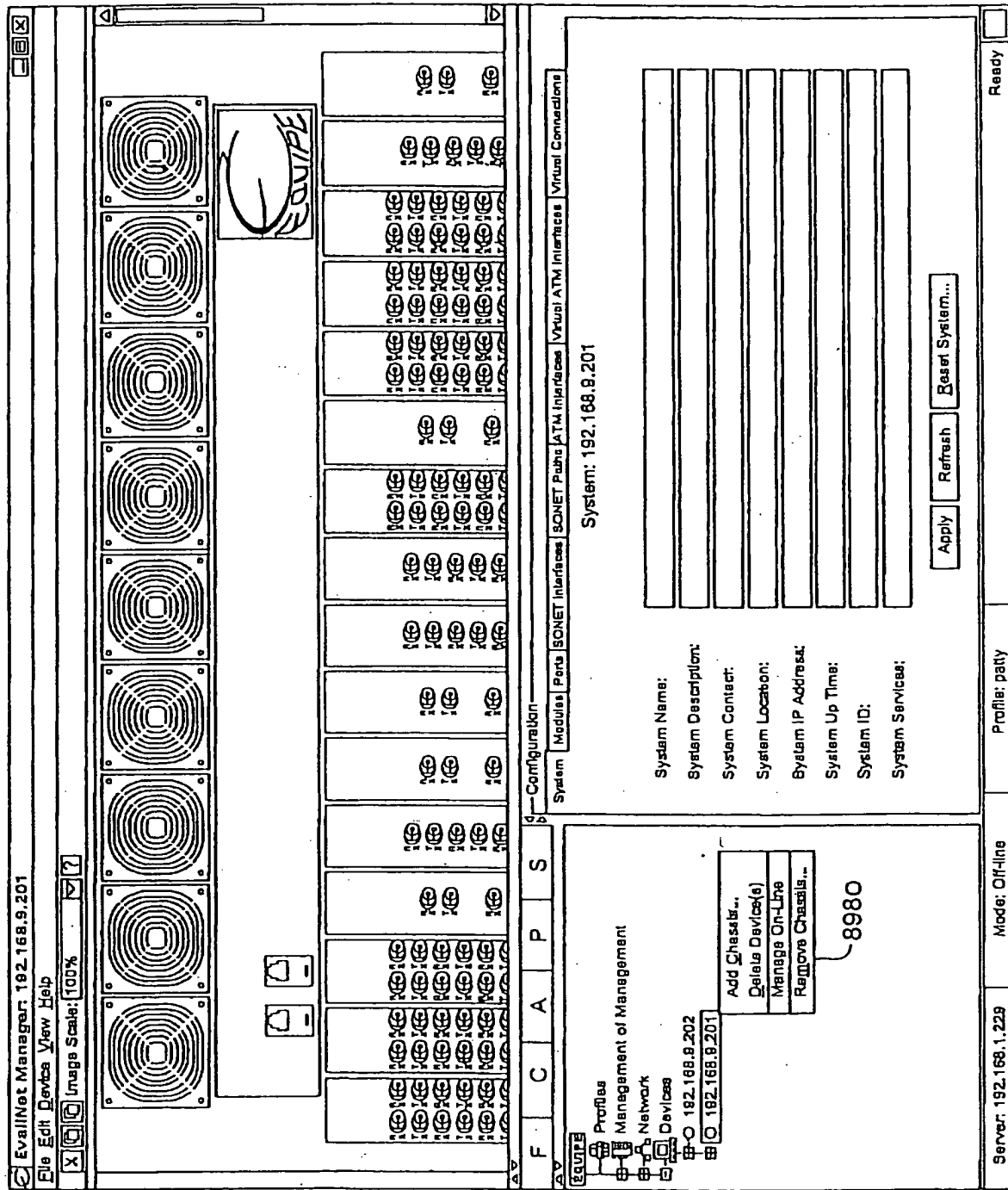


FIG. 6N

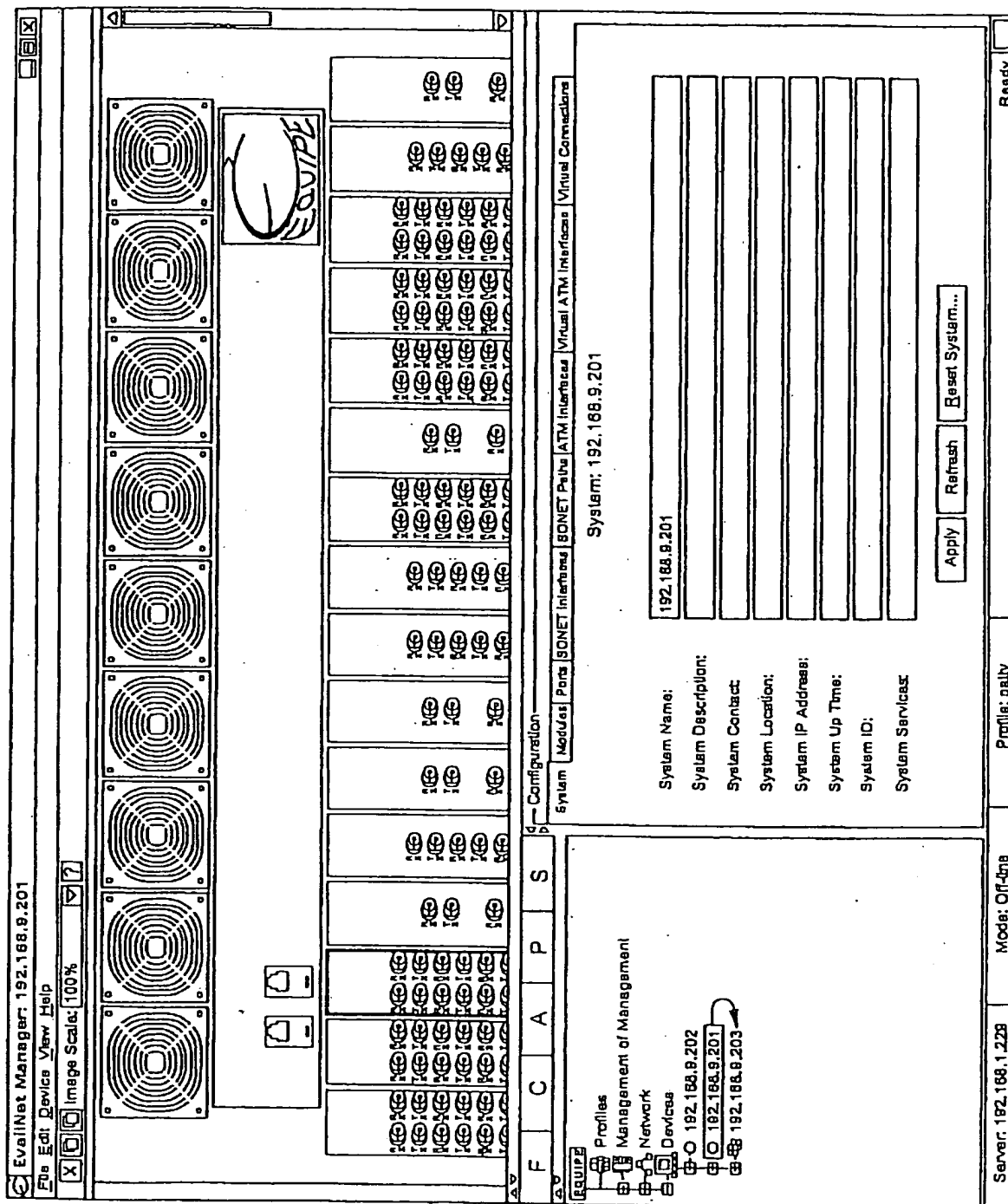


FIG. 60

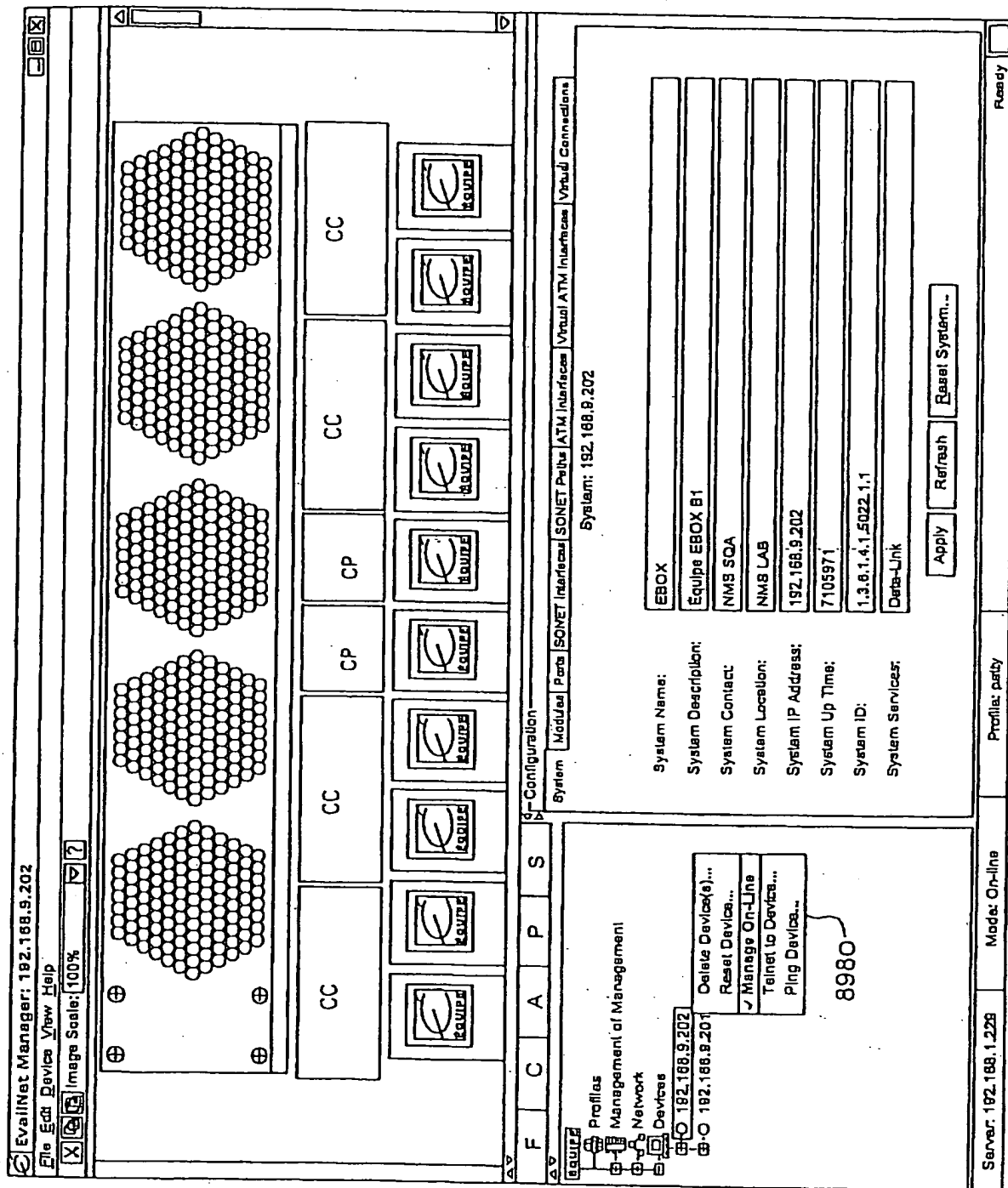
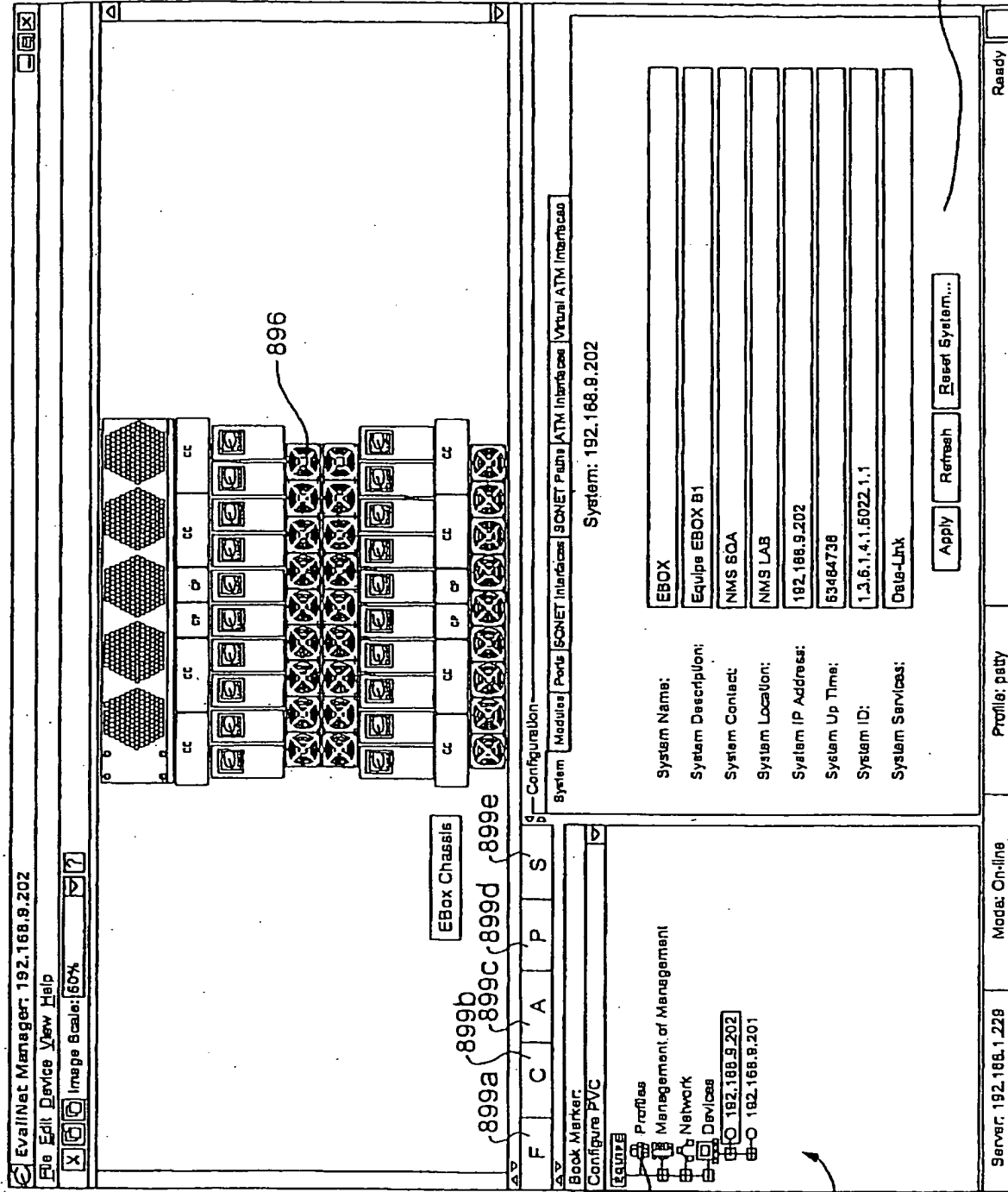


FIG. 6P

895



902

898

897

FIG. 7A

900

EvailNet Manager: Fault - Event Summary

System: 192.132.65.150

System	Event	Event Number	Description
1.1.55.6	Fan OverTemp	44	"Fan marginally functioning"
1.1.55.7	New Board Ins...	75	"New board inserted"

OK

FIG. 7B

<p>EvalNet Manager: 192.168.9.202</p> <p>File Edit Device View Help</p> <p>X Image Scale: 60%</p>					<p>Ready</p>				
<p>Security</p> <p>BHMP Configuration Changes</p> <p>System: 192.168.9.202</p> <p>SHMP Community Settings</p> <p>READ Community:</p> <p>public</p> <p>READ/WRITE Community:</p> <p>public</p>					<p>Command Line Interpreter (CLI)</p> <p>Administrator Password:</p> <p>root</p>				
<p>899a F</p>					<p>899b C</p>				
<p>899C A</p>					<p>899d P</p>				
<p>899e S</p>									
<p>Book Marks</p> <p>Configure PVC</p> <p>Profiles</p> <p>Management of Management</p> <p>Server: 192.168.9.202 Mode: On-line Profile:</p>					<p>Apply</p>				

FIG. 7C

FIG. 7D

895

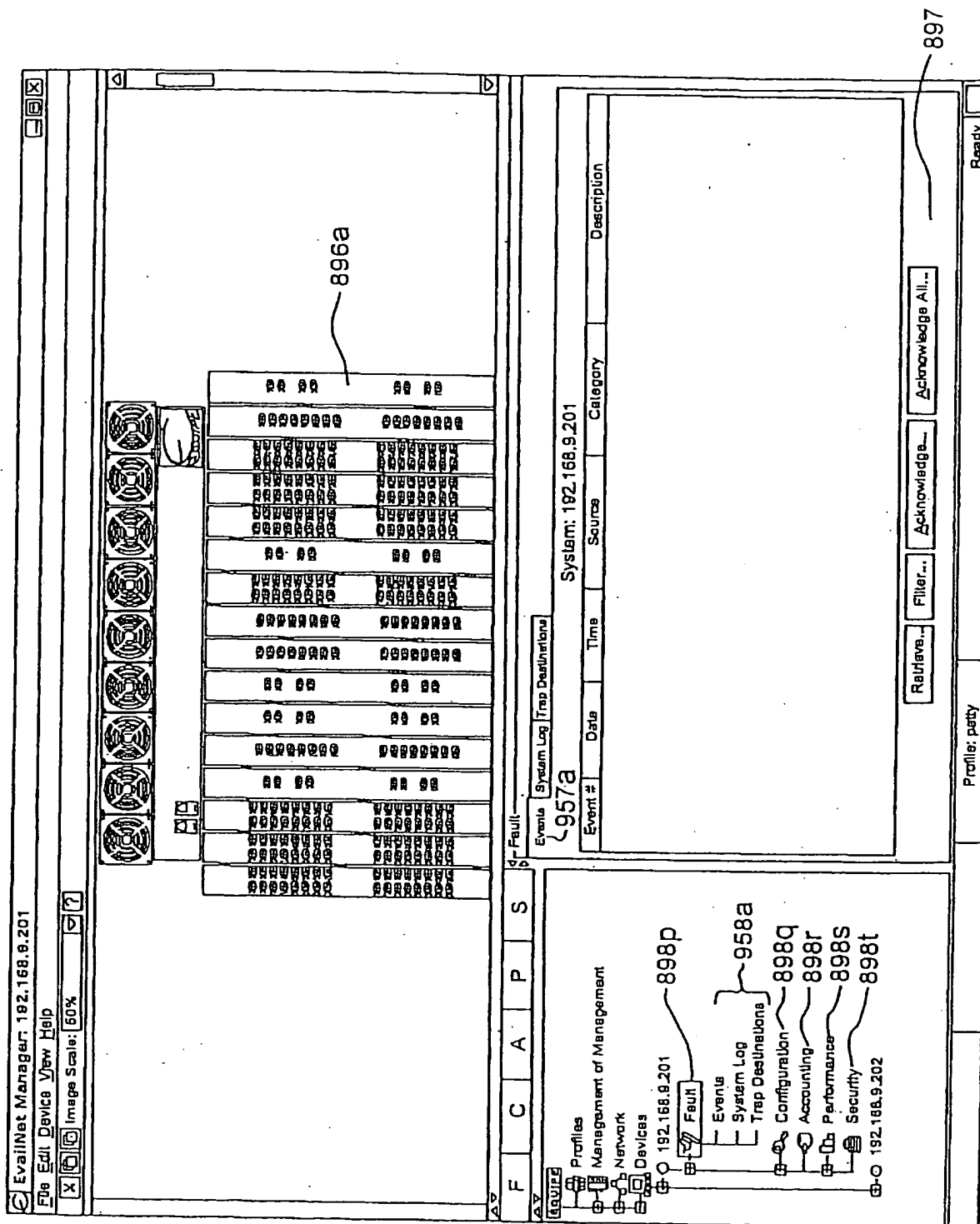


FIG. 7E

FIG. 7G

895

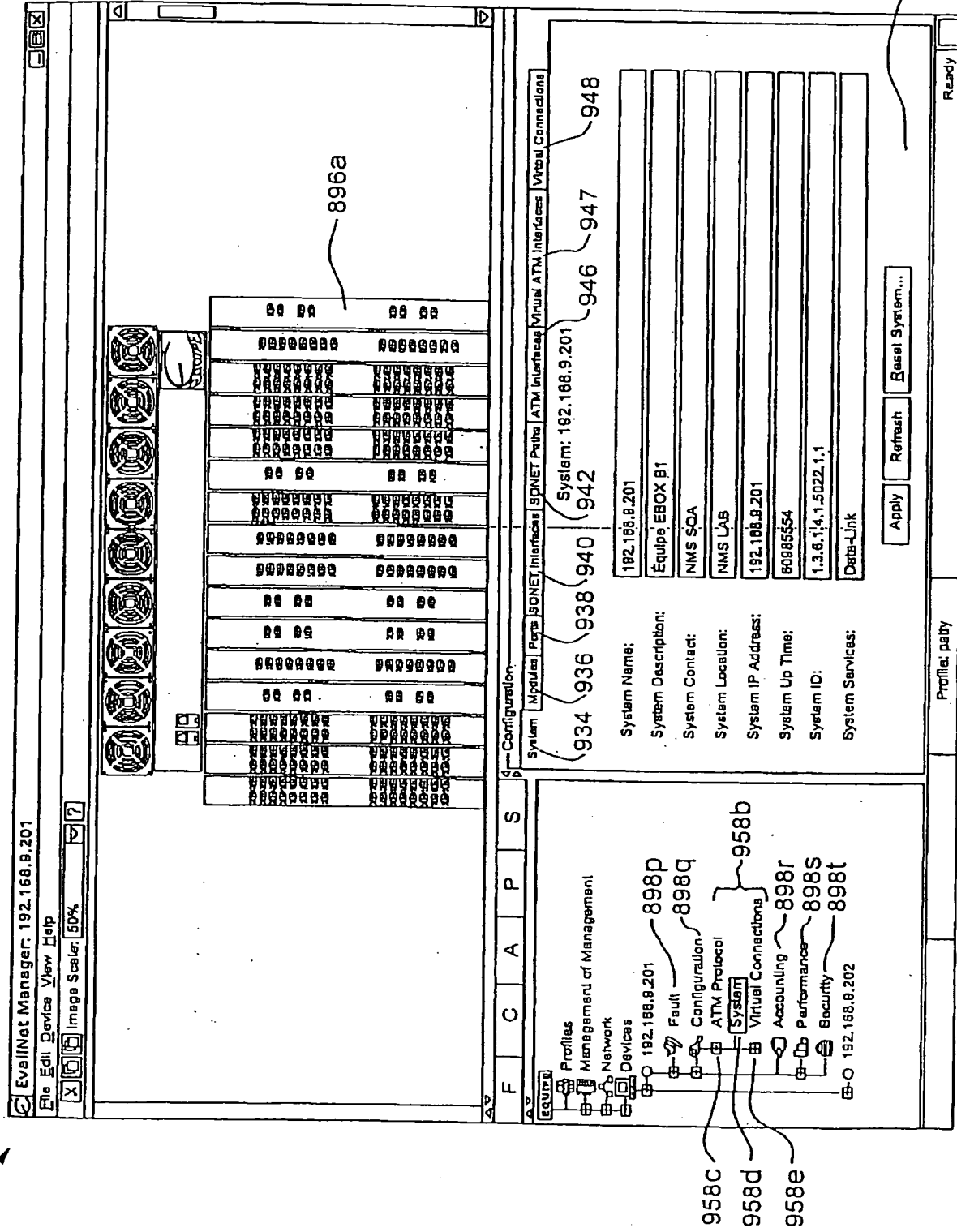


FIG. 7H

The screenshot displays the EvalNet Manager software interface. At the top, the title bar reads "EvalNet Manager: 192.168.9.201". Below the title bar is a menu bar with "File", "Edit", "Device", "View", and "Help". A toolbar contains icons for file operations, a search icon, and a zoom slider set to 50%.

The main window is divided into two panes. The left pane shows a network diagram with a central router labeled "896a" and several connected nodes. The right pane displays the configuration for the selected node, "896a". The configuration window has a tabbed interface with "ATM Protocol" selected. It shows the "PNMI" section with the "System" set to "192.168.9.201". Below this, there are fields for "Maximum Path (per node)", "Maximum Entries (nodes)", "Timer Frequency (seconds)", "Age Out (seconds)", and "Recently Referenced (seconds)". The "PNMI Node" section includes fields for "Domain Name", "Admin. Status", "ATM Address", and "Node Level".

At the bottom of the screen, there is a status bar with the text "Profile: party" and "Ready".

FIG. 71

895

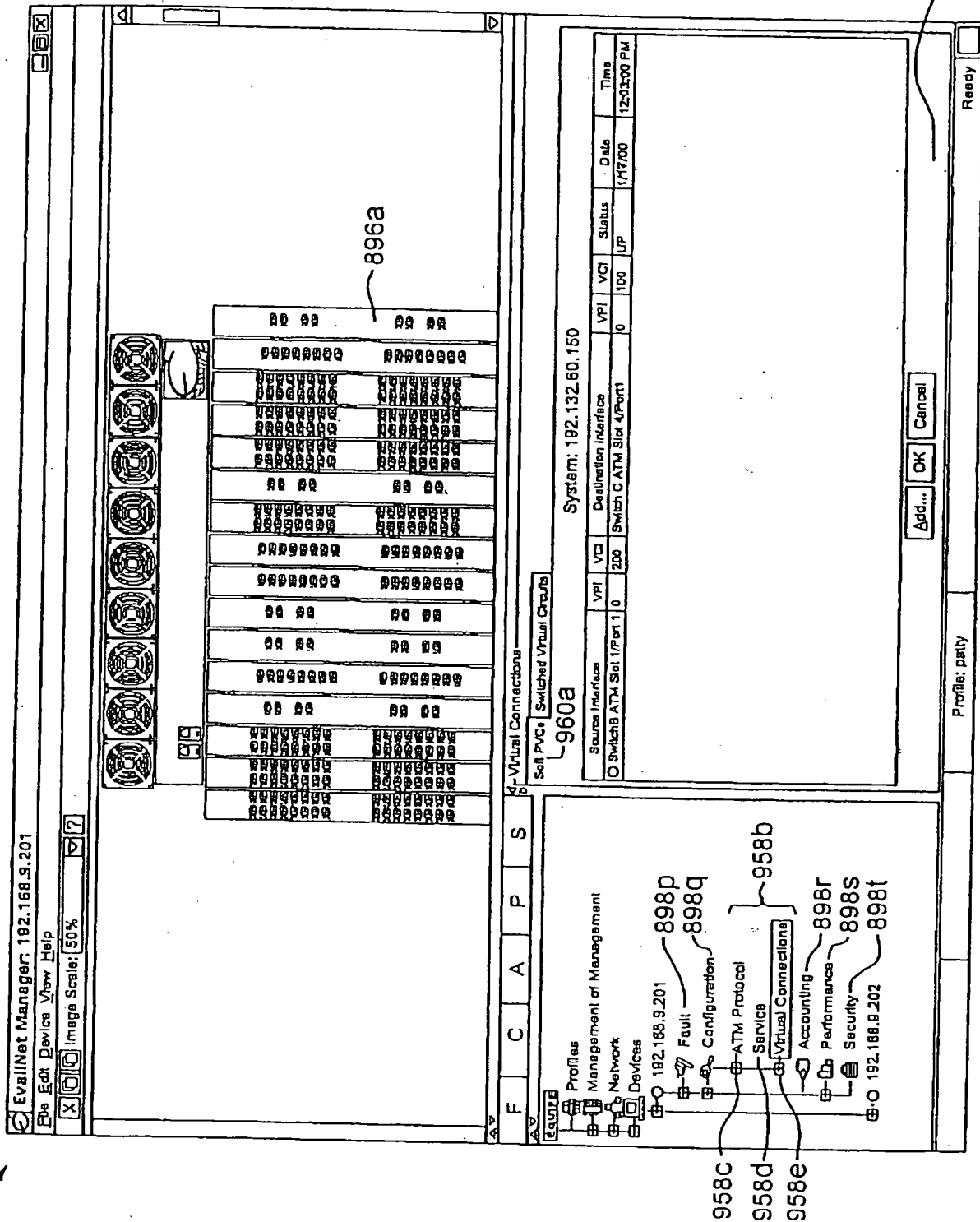


FIG. 7J

The screenshot displays the EvalNet Manager interface for the system 192.168.9.201. The top menu bar includes File, Edit, Device, View, and Help. The main window is divided into several sections:

- Left Panel:** A vertical toolbar with icons for various network management functions.
- Central Diagram:** A network topology showing a central switch (960b) connected to multiple profiles (898p, 898q, 898r, 898s, 898t) and devices (898c, 898d, 898e). The profiles are grouped under 'Management of Management' and 'Network Devices'. The devices are grouped under 'Virtual Connections'.
- Right Panel:** A table titled 'Virtual Connections' showing details for the selected connection (960b). The table has columns for InAddress, VPI, VC, Address Format, Address, Status, Date, and Time.

InAddress	VPI	VC	Address Format	Address	Status	Date	Time
ATM Slot 1 Port 10	5	E184		AB.CDEF.01.234.567.890.ABCDEF.012.345.67.890.1234.12	Up	11/13/00	13:17:12 PM

FIG. 7K

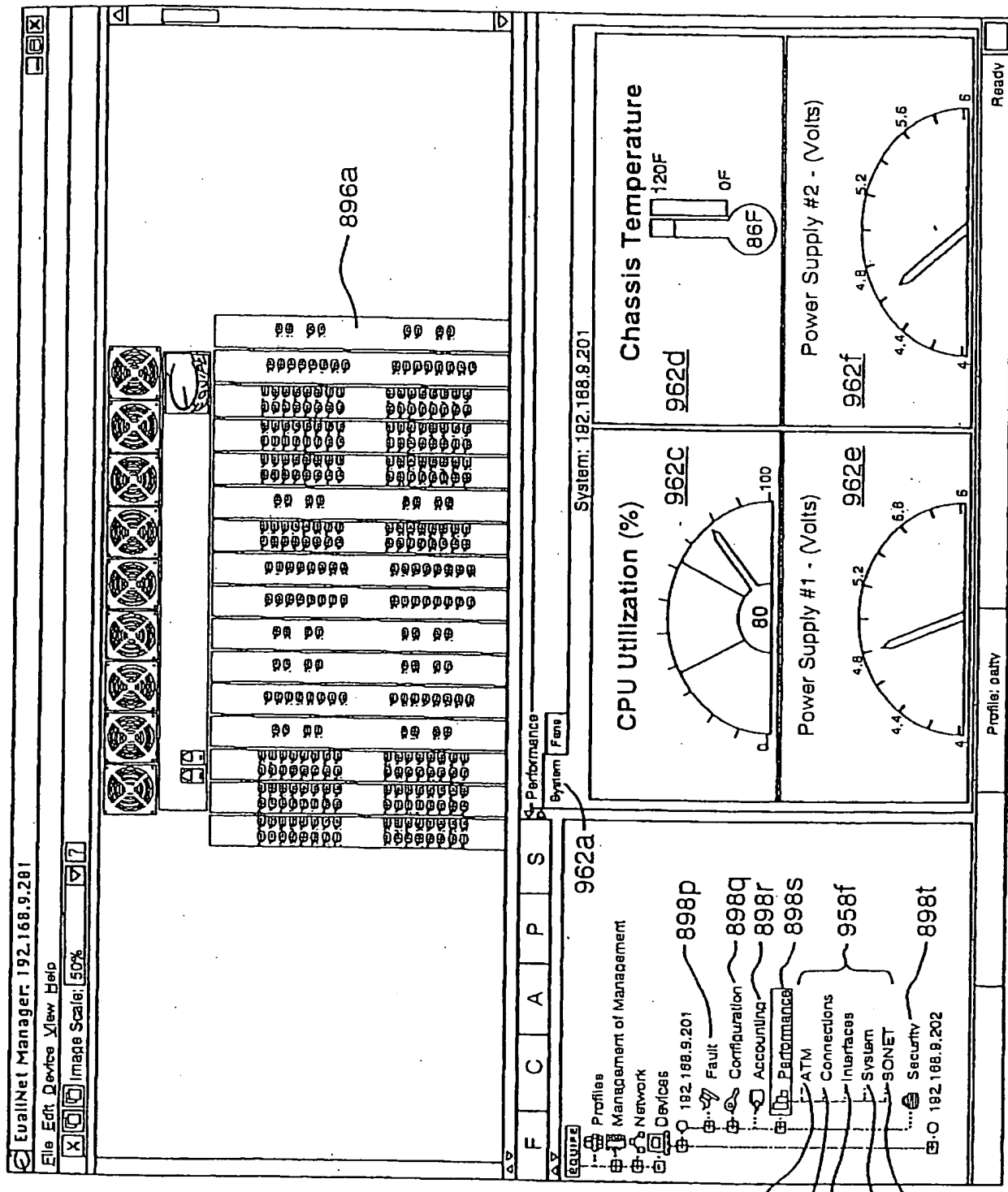


FIG. 7M

895

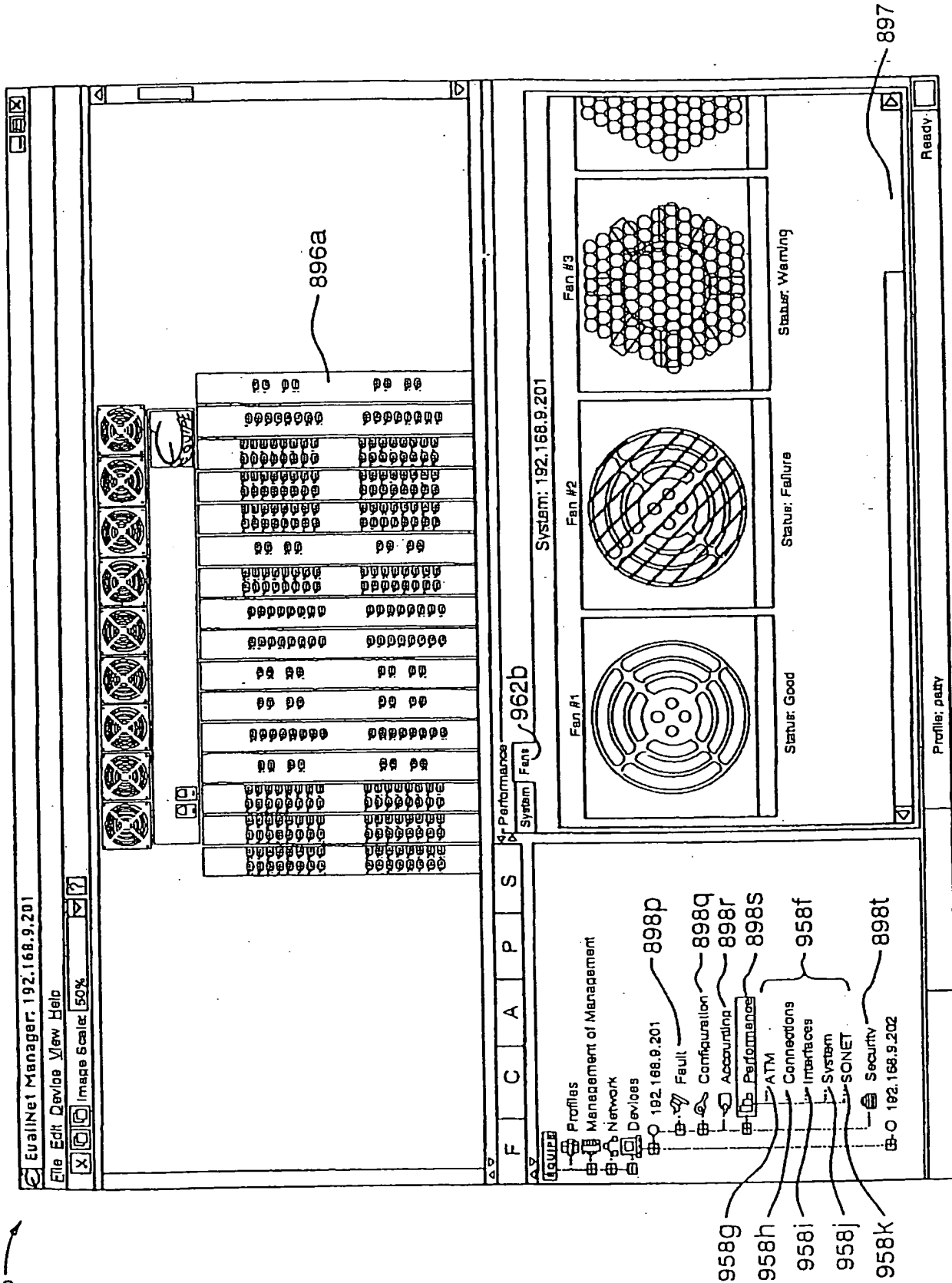


FIG. 7N



FIG. 7P

895

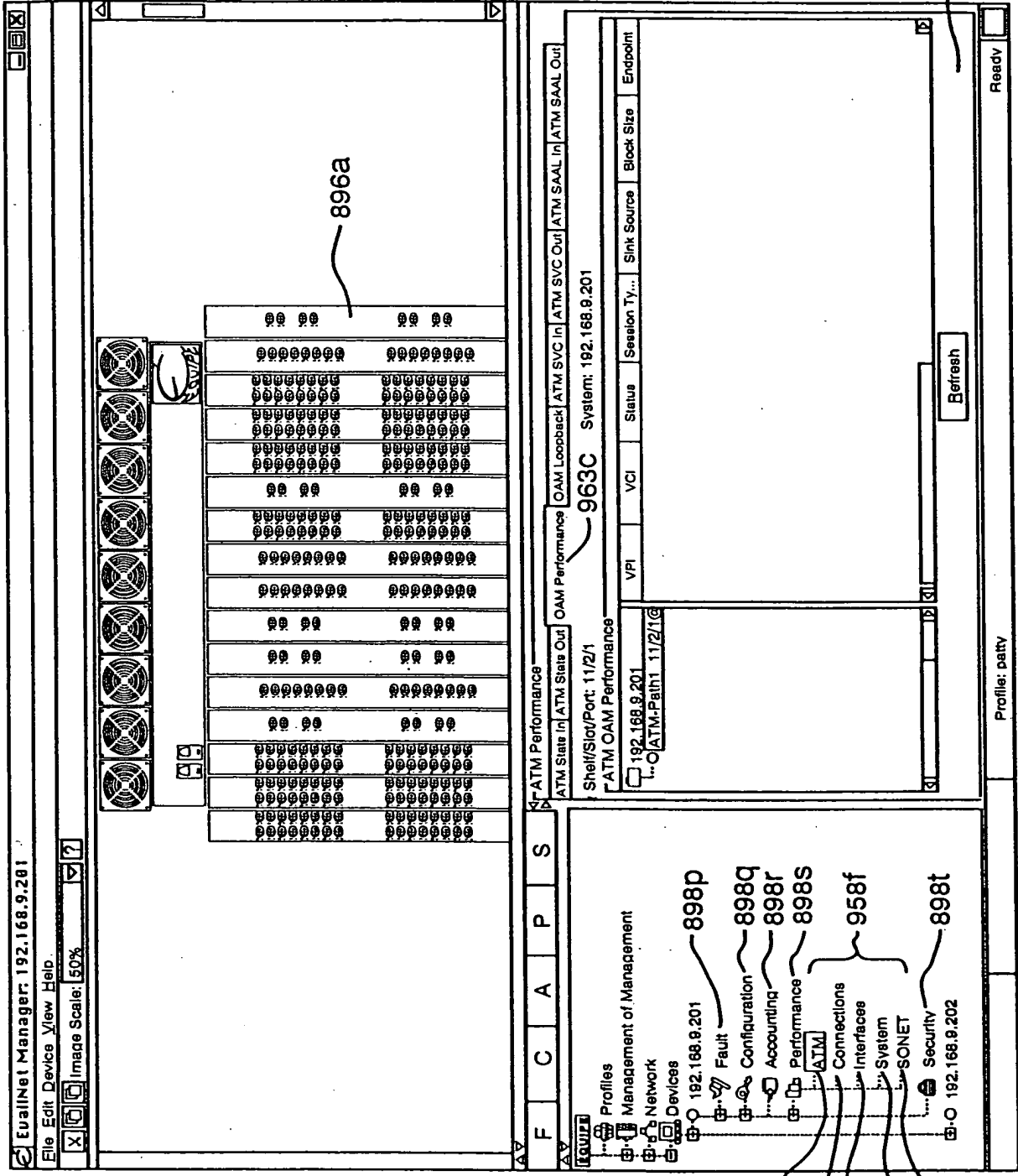


FIG. 7Q

895

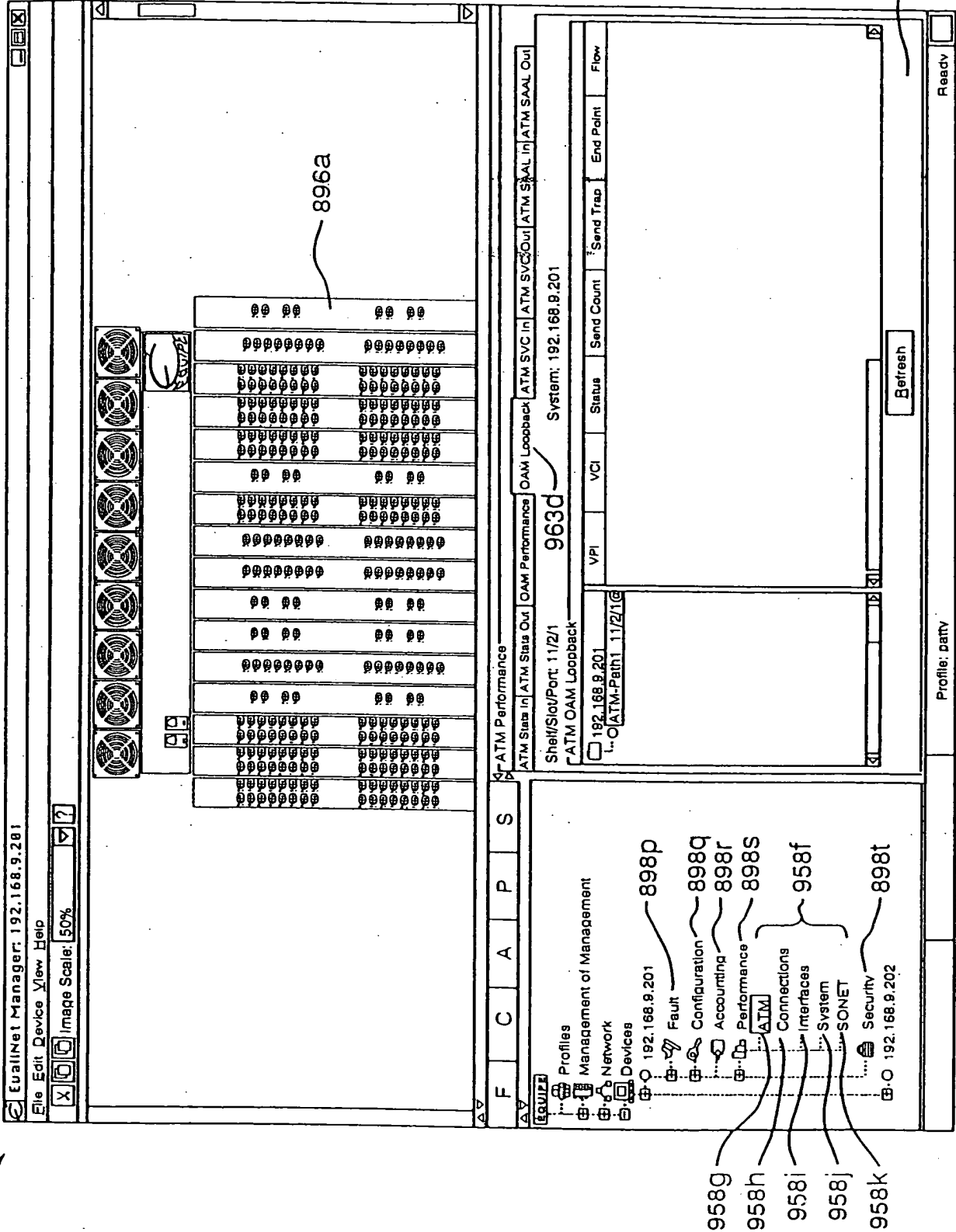


FIG. 7R

The screenshot displays the EvalNet Manager software interface. At the top, the title bar reads "EvalNet Manager: 192.168.9.201". Below the title bar, there are menu options: "File", "Edit", "Device", "View", and "Help". A status bar at the bottom indicates "Image Scale: 50%".

The main window is divided into several sections. On the left, there is a network diagram showing a central hub connected to multiple devices. The devices are labeled with IP addresses and names: 192.168.9.201 (Management of Management), 192.168.9.202 (Security), 192.168.9.203 (SONET), 192.168.9.204 (System Interfaces), 192.168.9.205 (Connections), 192.168.9.206 (Performance), 192.168.9.207 (Accounting), 192.168.9.208 (Configuration), 192.168.9.209 (Fault), and 192.168.9.210 (Network Devices). The diagram also shows a "Profiles" section with a "Management of Management" profile.

On the right side of the window, there is a table titled "ATM Performance". The table has columns for "ATM Stats In", "ATM Stats Out", "OAM Performance", "OAM Loopback", "ATM SVC In", "ATM SVC Out", "ATM SAAL In", "ATM SAAL Out", and "Shell/Sio/Port: 11/2/1". The table contains data for various ATM interfaces, including "ATM-Path1", "ATM-Path2", "ATM-Path3", "ATM-Path4", "ATM-Path5", "ATM-Path6", "ATM-Path7", "ATM-Path8", "ATM-Path9", "ATM-Path10", "ATM-Path11", "ATM-Path12", "ATM-Path13", "ATM-Path14", "ATM-Path15", "ATM-Path16", "ATM-Path17", "ATM-Path18", "ATM-Path19", "ATM-Path20", "ATM-Path21", "ATM-Path22", "ATM-Path23", "ATM-Path24", "ATM-Path25", "ATM-Path26", "ATM-Path27", "ATM-Path28", "ATM-Path29", "ATM-Path30", "ATM-Path31", "ATM-Path32", "ATM-Path33", "ATM-Path34", "ATM-Path35", "ATM-Path36", "ATM-Path37", "ATM-Path38", "ATM-Path39", "ATM-Path40", "ATM-Path41", "ATM-Path42", "ATM-Path43", "ATM-Path44", "ATM-Path45", "ATM-Path46", "ATM-Path47", "ATM-Path48", "ATM-Path49", "ATM-Path50", "ATM-Path51", "ATM-Path52", "ATM-Path53", "ATM-Path54", "ATM-Path55", "ATM-Path56", "ATM-Path57", "ATM-Path58", "ATM-Path59", "ATM-Path60", "ATM-Path61", "ATM-Path62", "ATM-Path63", "ATM-Path64", "ATM-Path65", "ATM-Path66", "ATM-Path67", "ATM-Path68", "ATM-Path69", "ATM-Path70", "ATM-Path71", "ATM-Path72", "ATM-Path73", "ATM-Path74", "ATM-Path75", "ATM-Path76", "ATM-Path77", "ATM-Path78", "ATM-Path79", "ATM-Path80", "ATM-Path81", "ATM-Path82", "ATM-Path83", "ATM-Path84", "ATM-Path85", "ATM-Path86", "ATM-Path87", "ATM-Path88", "ATM-Path89", "ATM-Path90", "ATM-Path91", "ATM-Path92", "ATM-Path93", "ATM-Path94", "ATM-Path95", "ATM-Path96", "ATM-Path97", "ATM-Path98", "ATM-Path99", "ATM-Path100".

Below the table, there is a "Refresh" button. At the bottom right, there is a "Ready" status indicator.

FIG. 7S

895

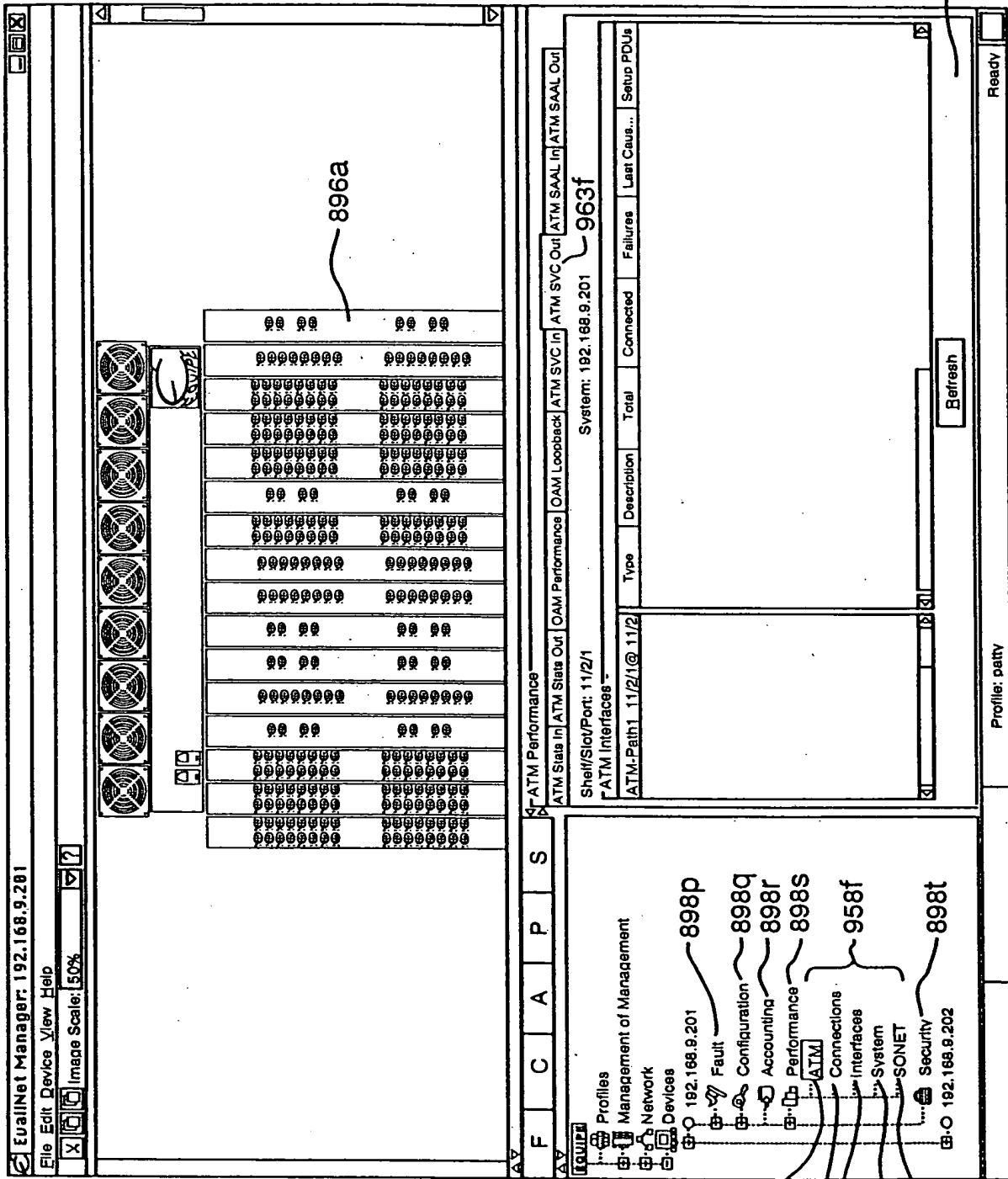


FIG. 7T

895

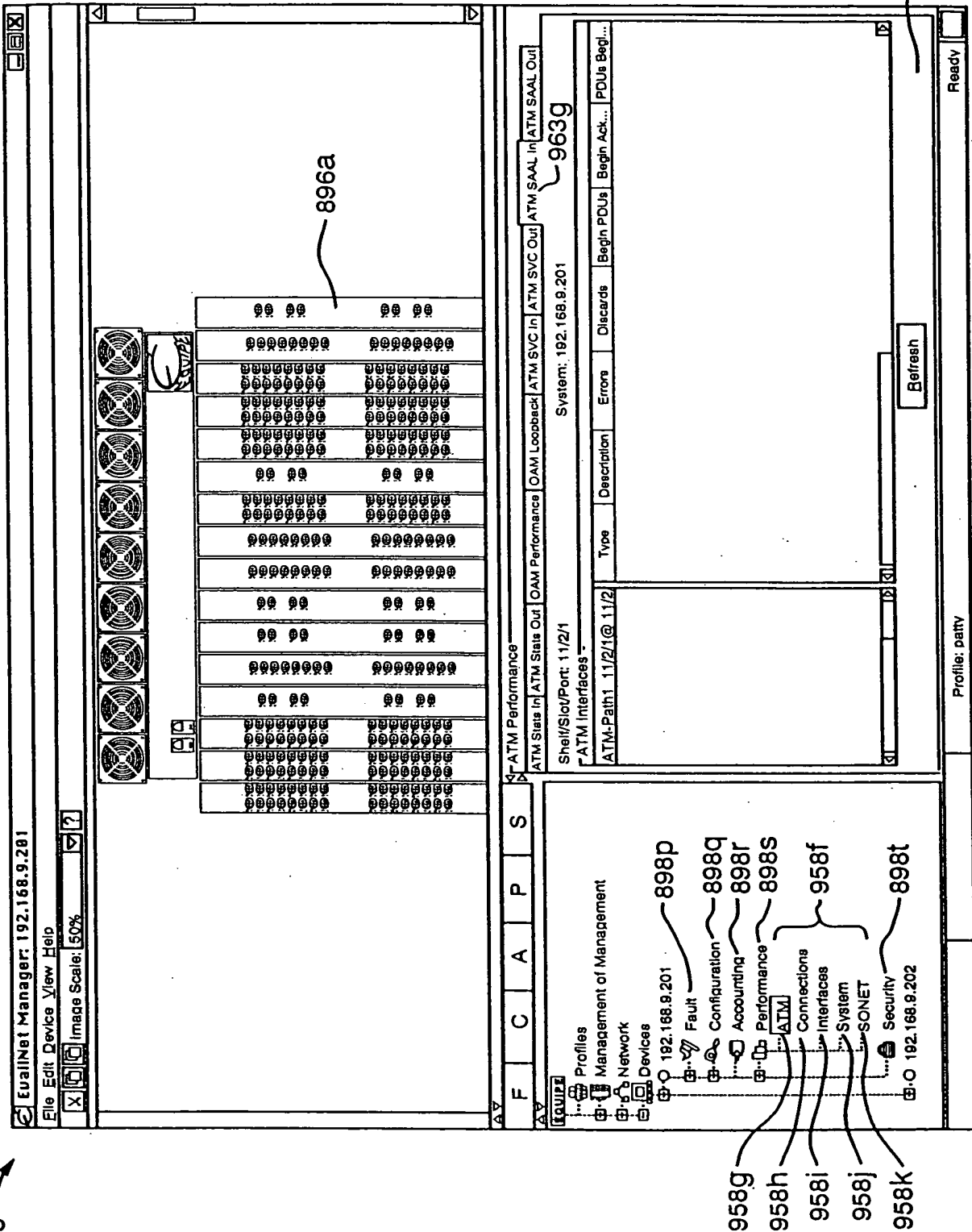


FIG. 7U

895

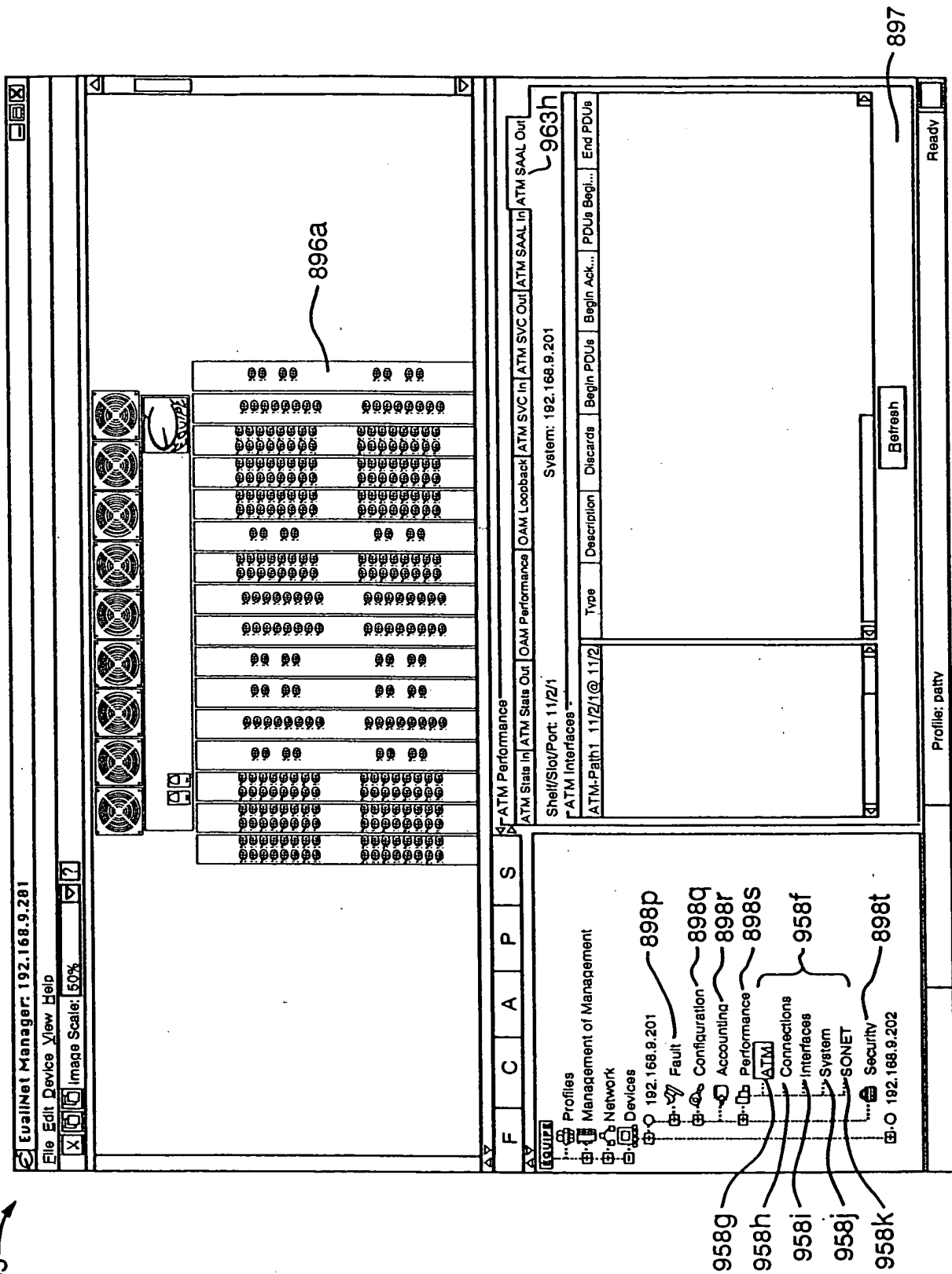


FIG. 7V

895

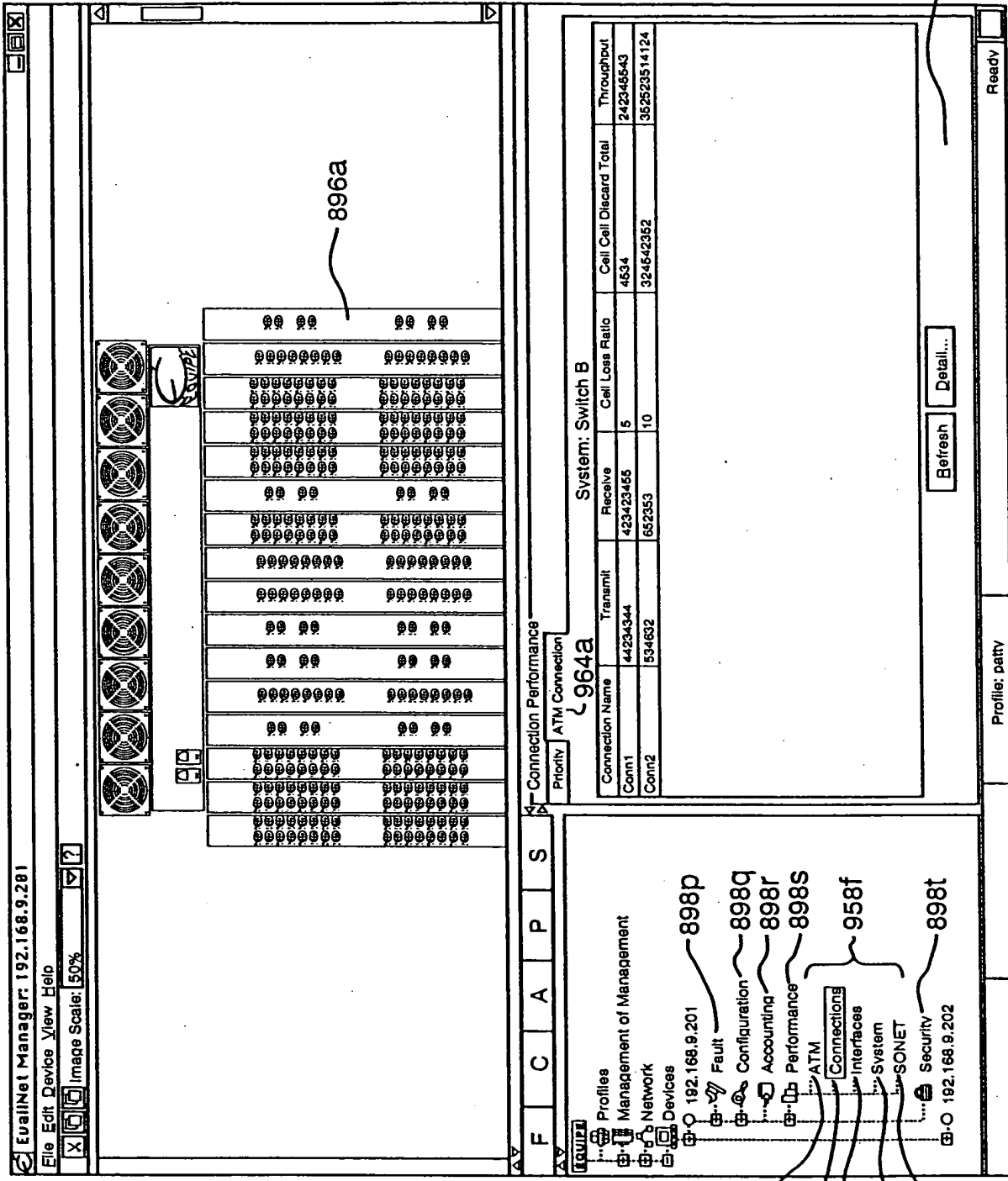


FIG. 7W

895

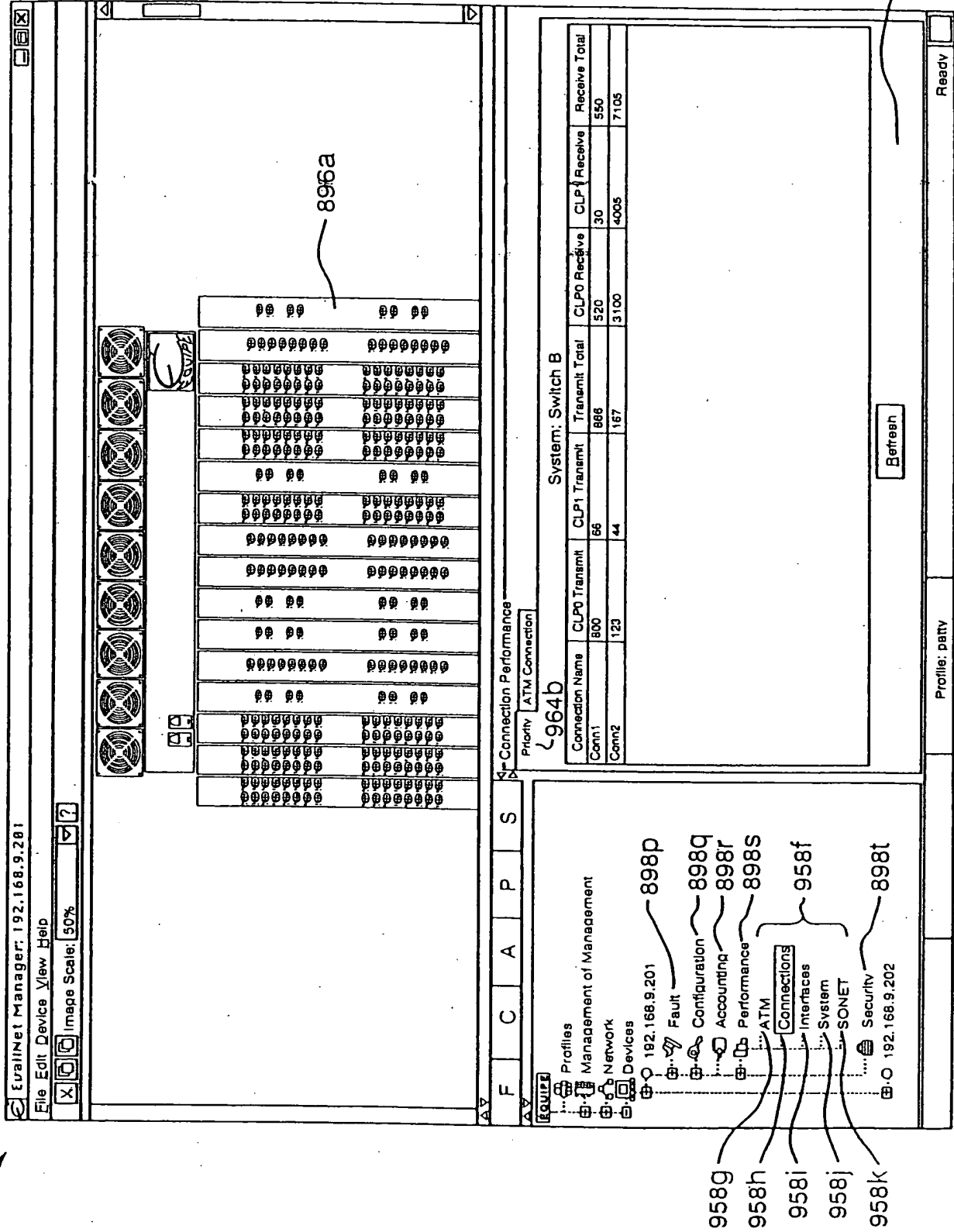


FIG. 7X

897

895

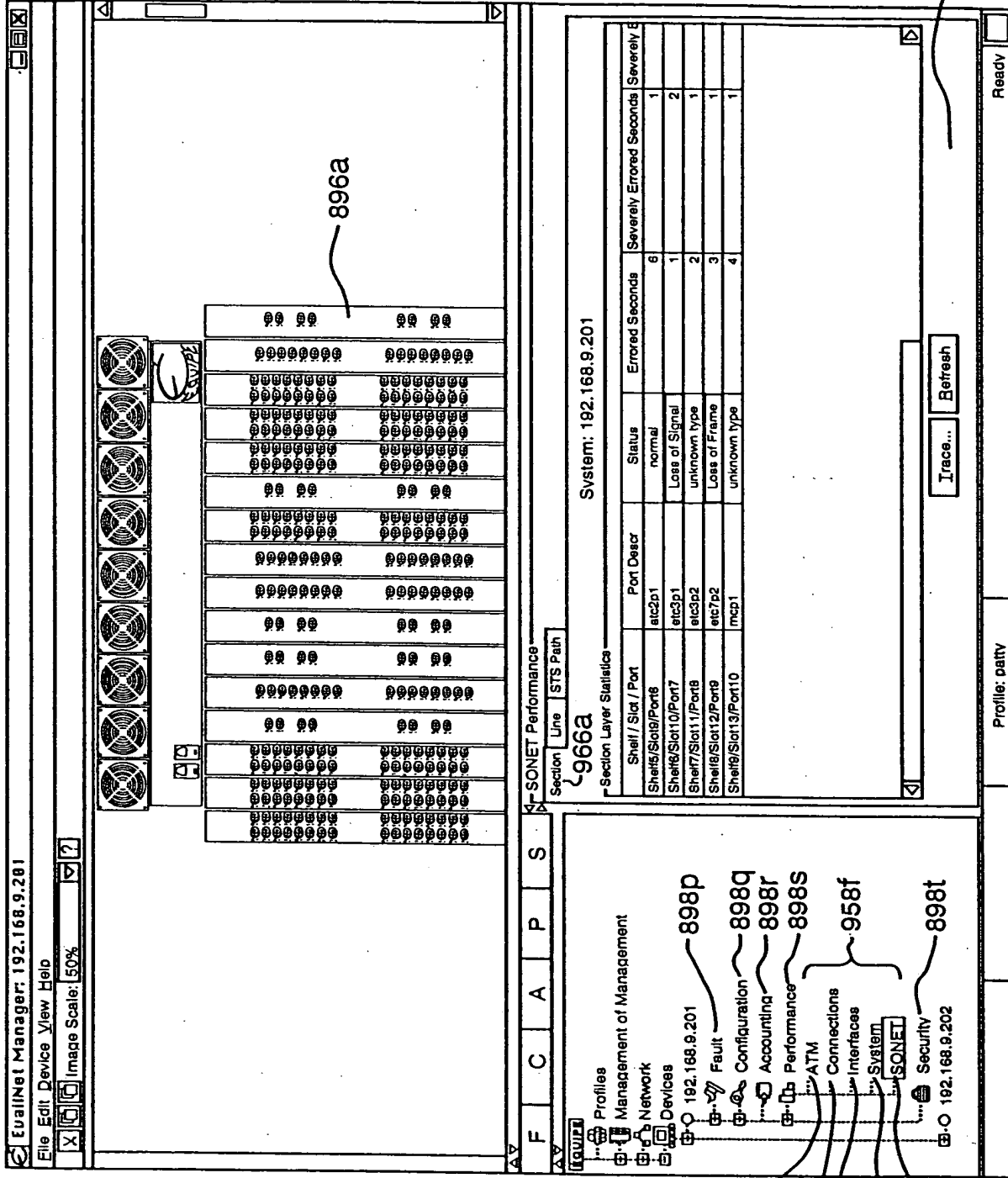


FIG. 8A

Fig. 88

FIG. 8C

895

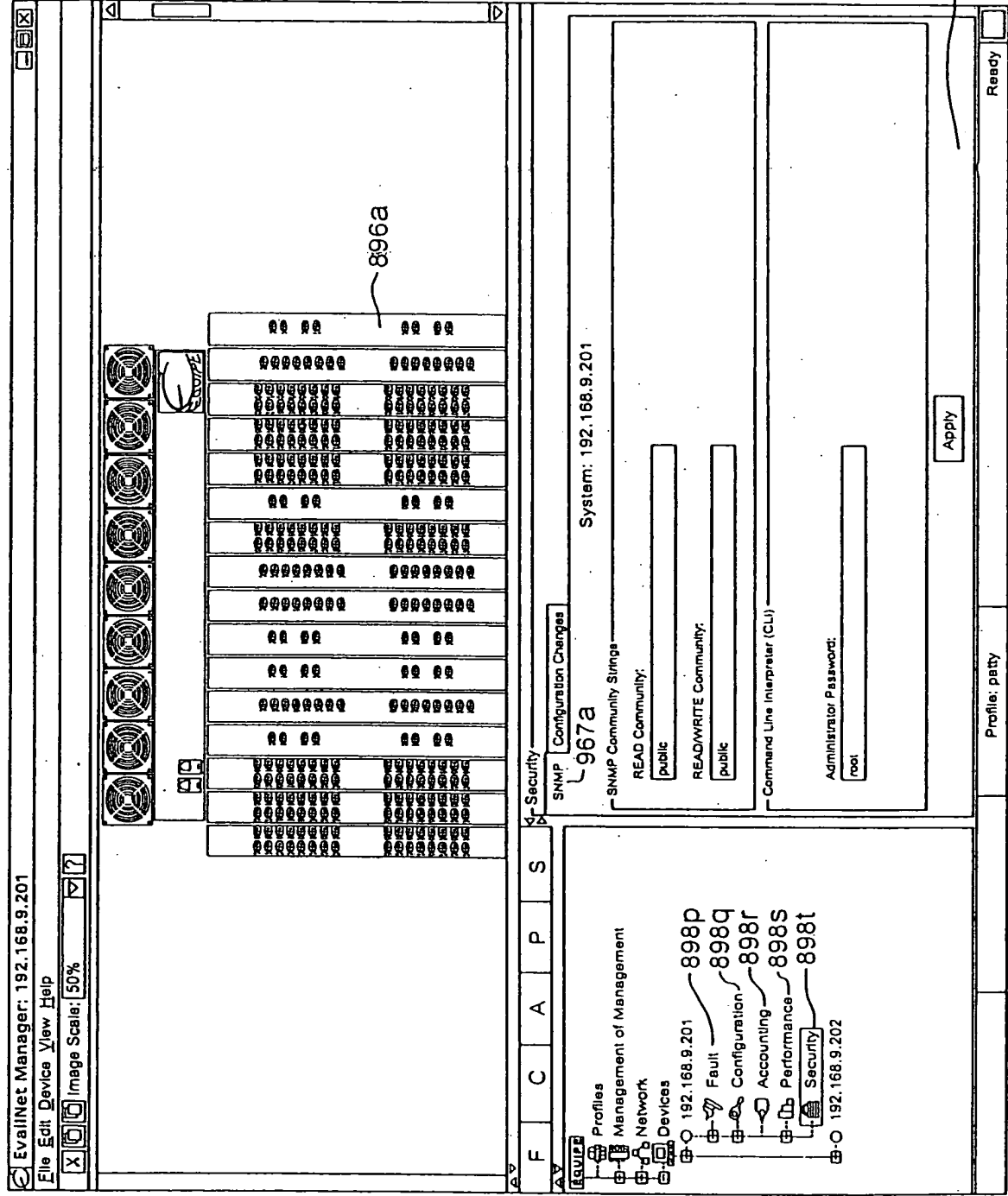
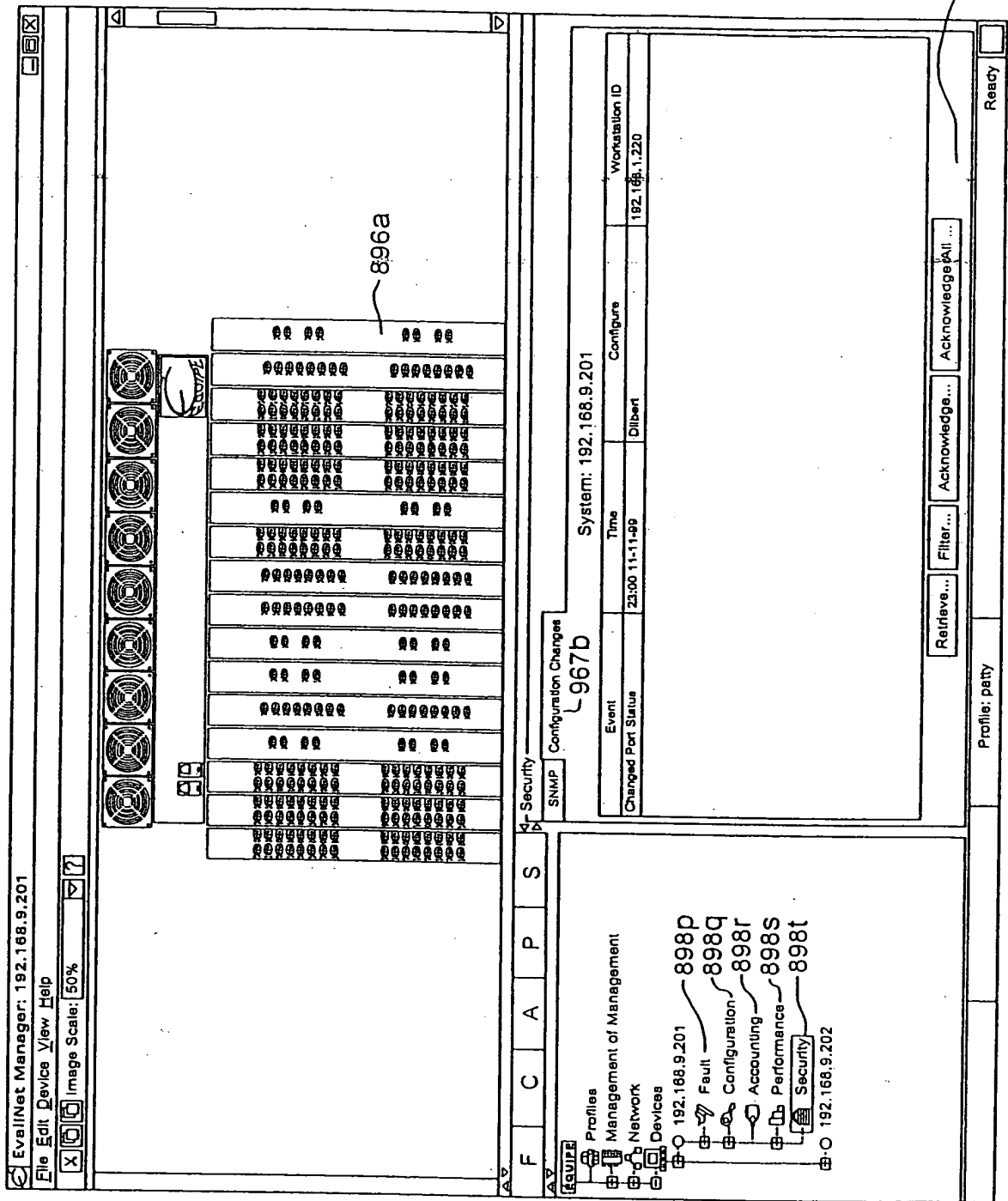


FIG. 8D

895



897

FIG. 8E

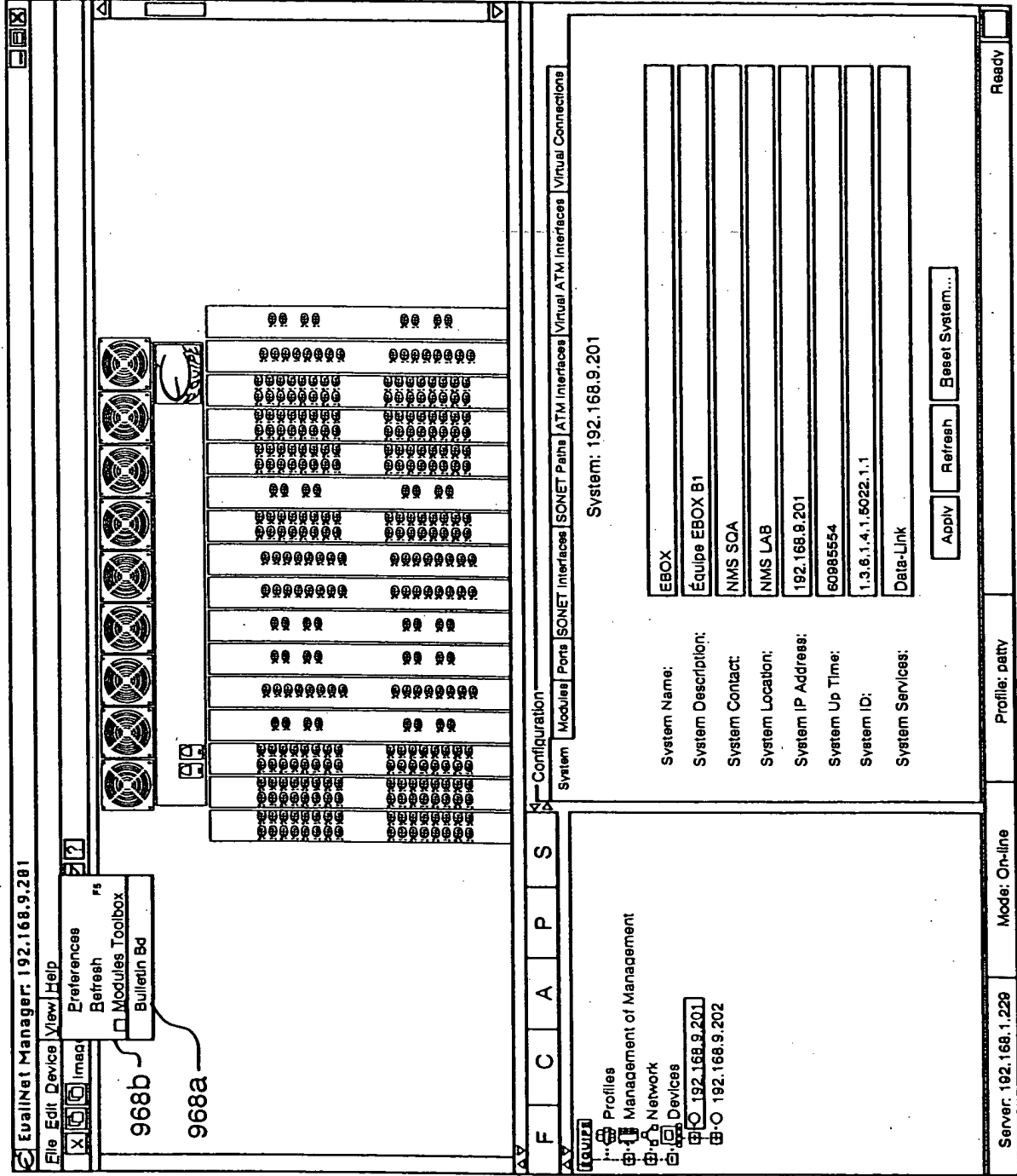


FIG. 9A

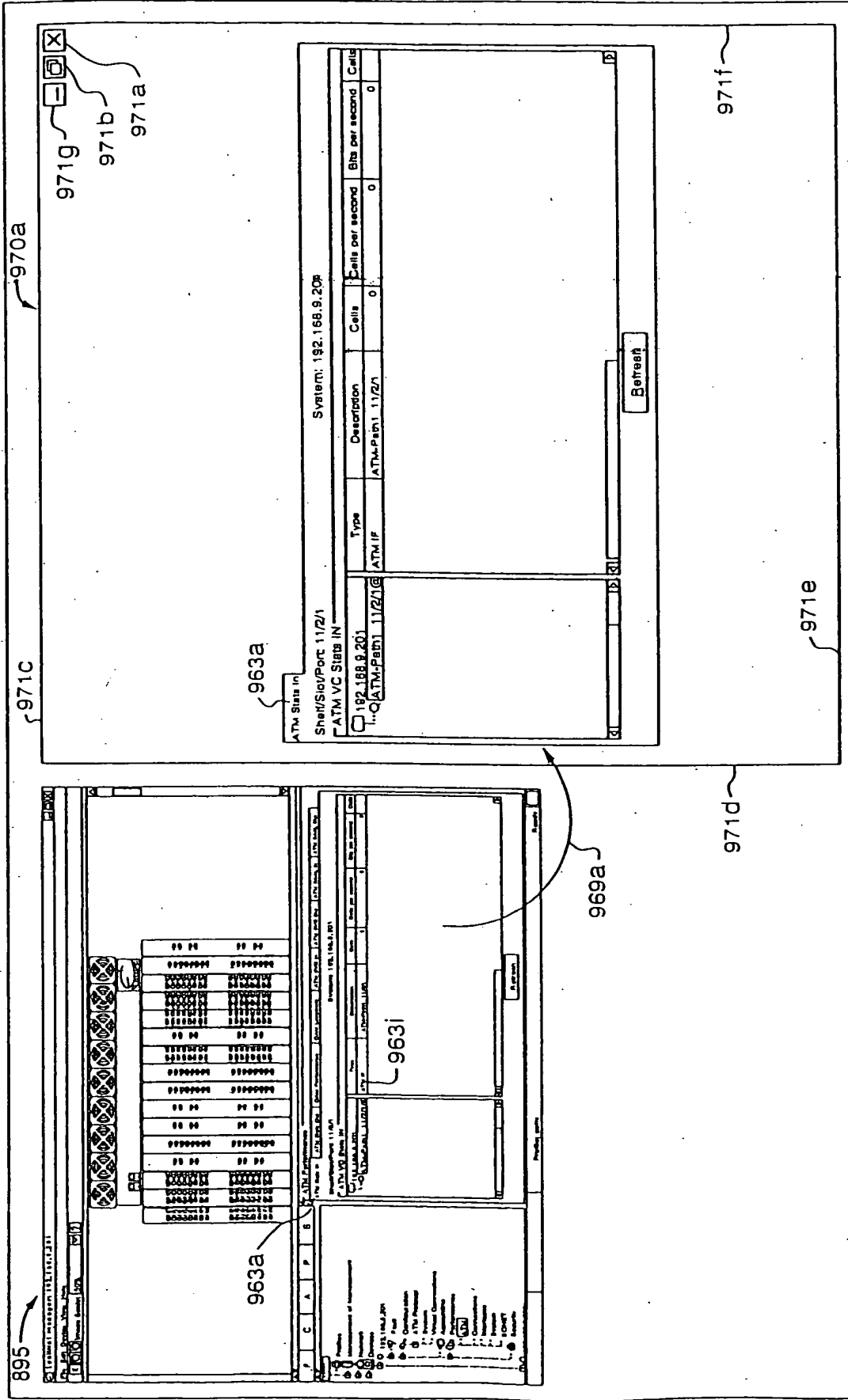


FIG. 9B

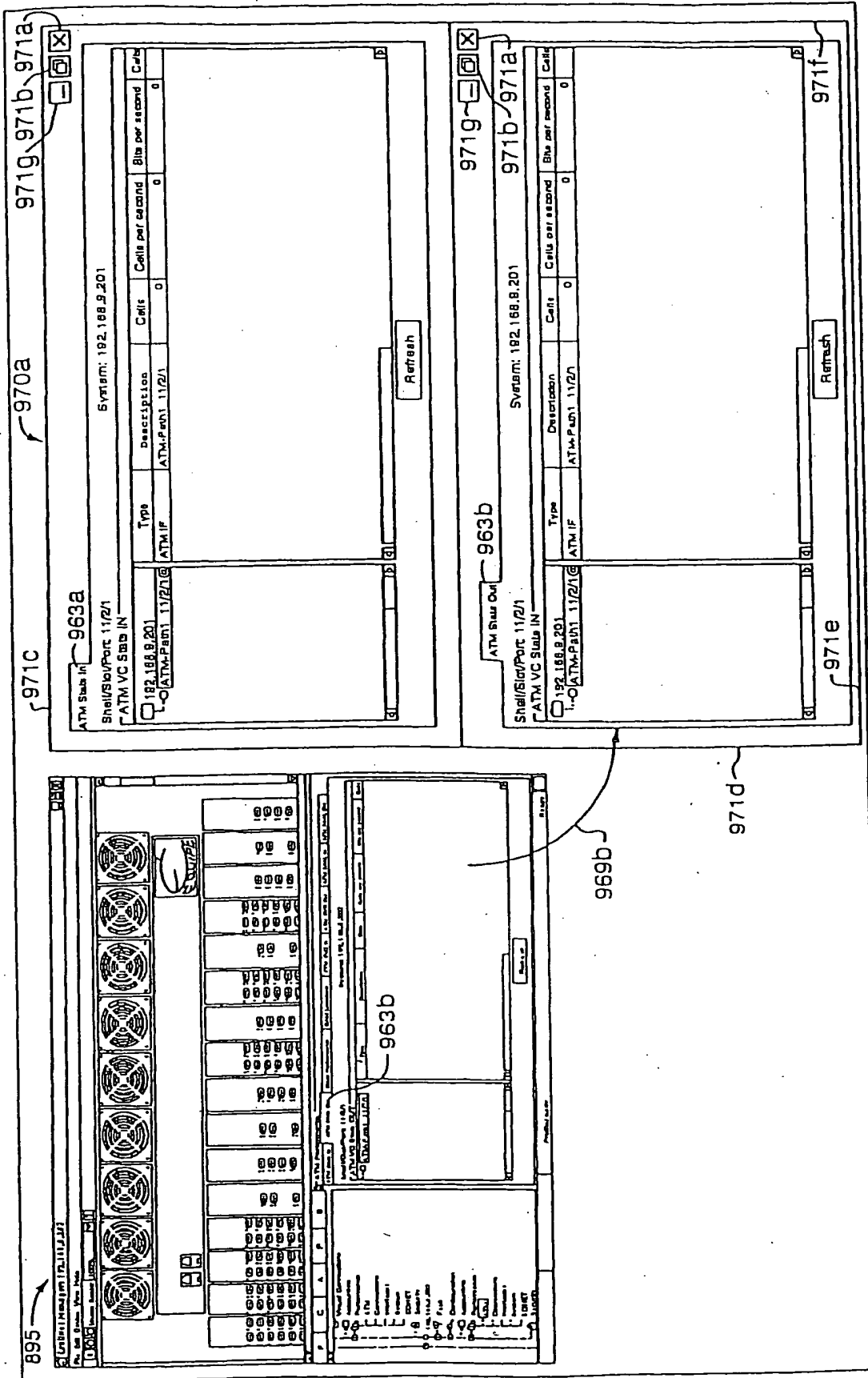


FIG. 9C

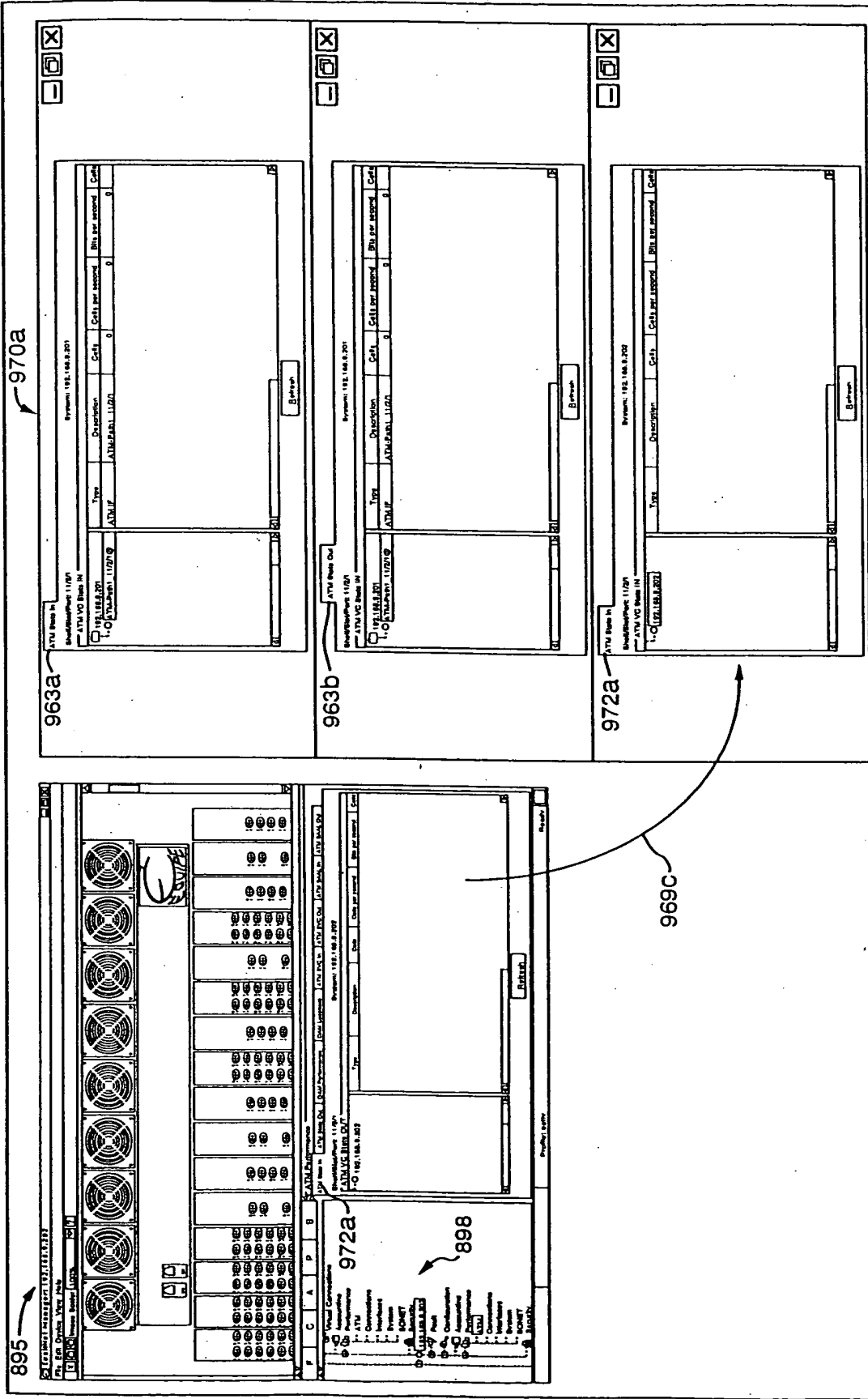


FIG. 9D

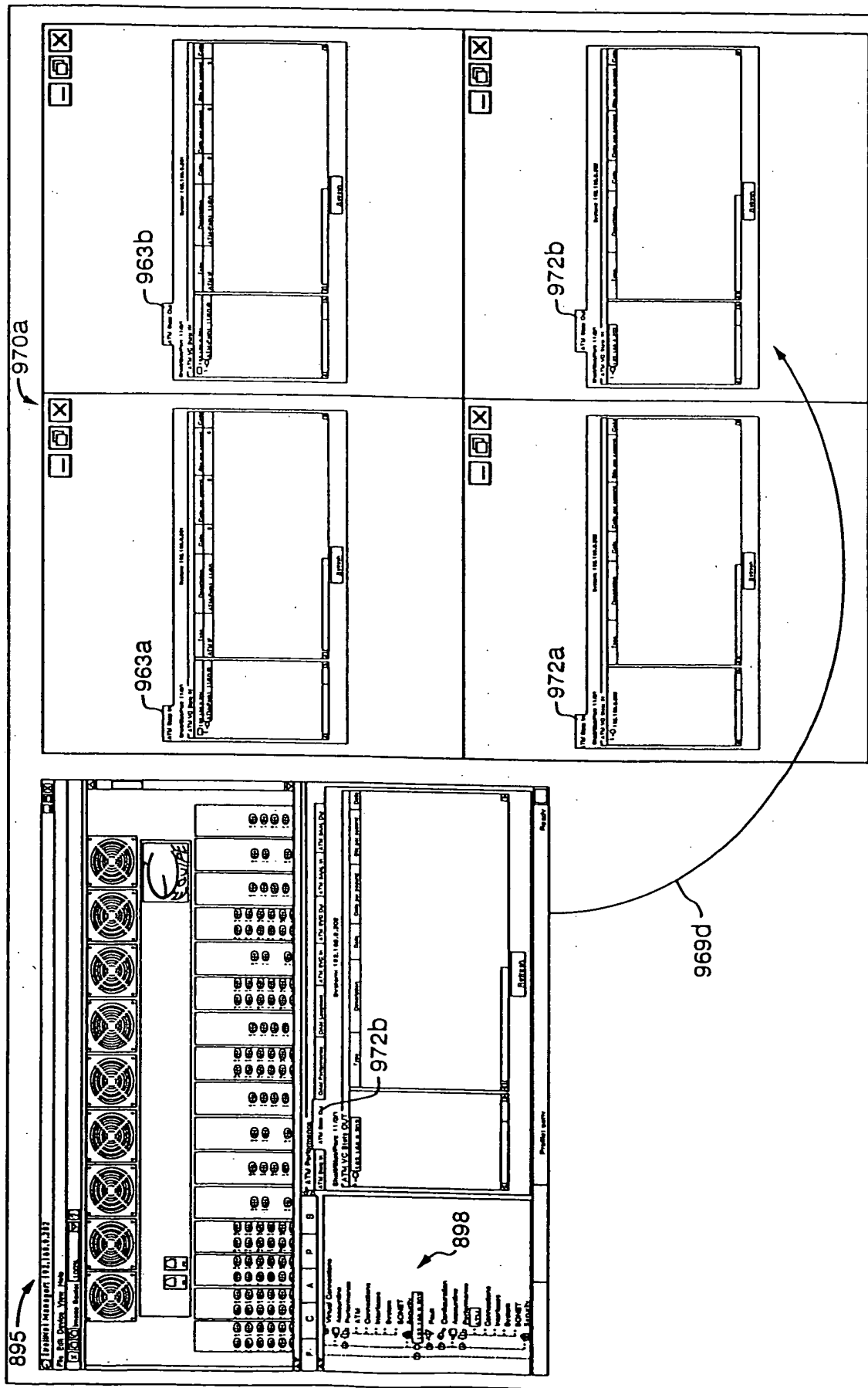


FIG. 9E

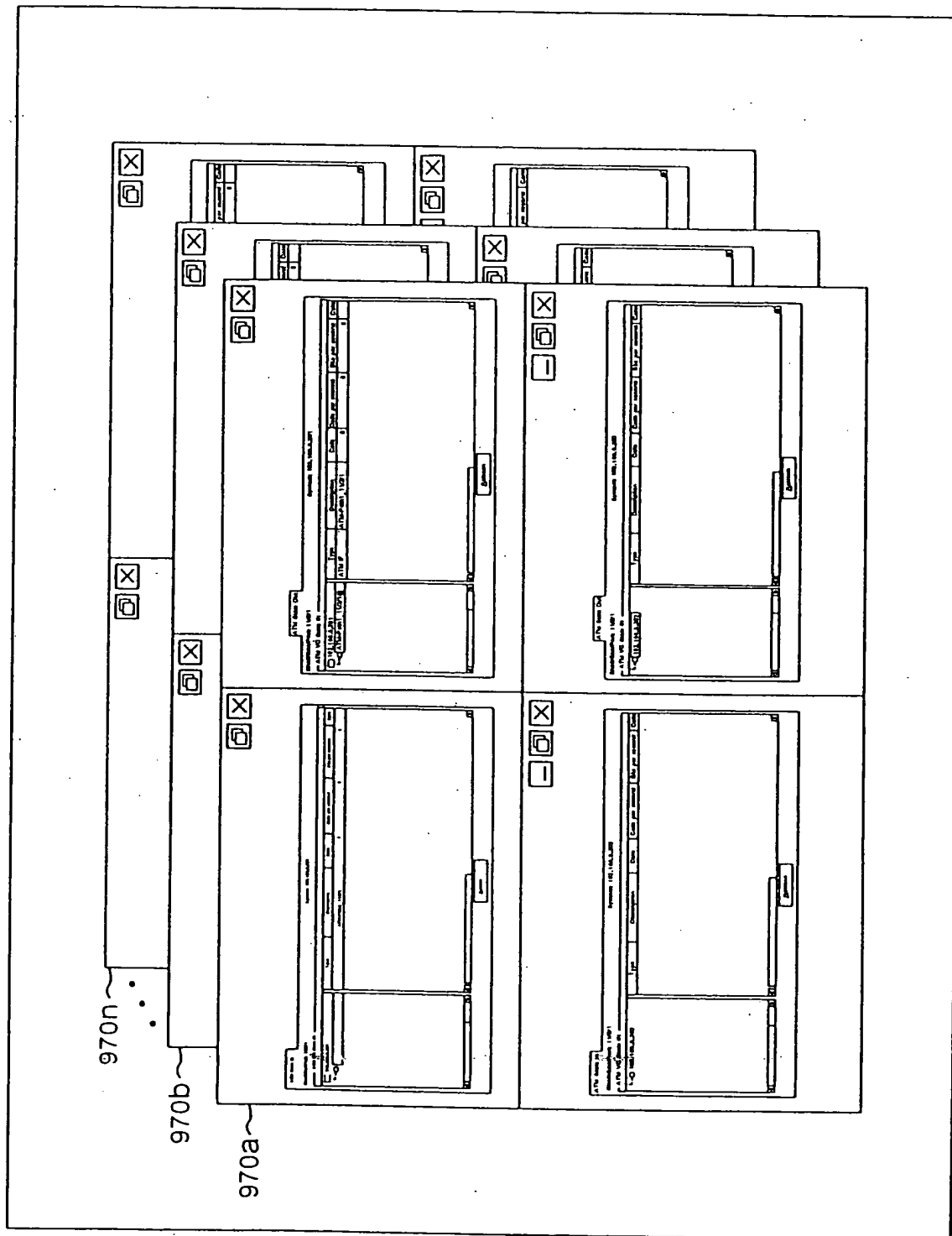


FIG. 9F

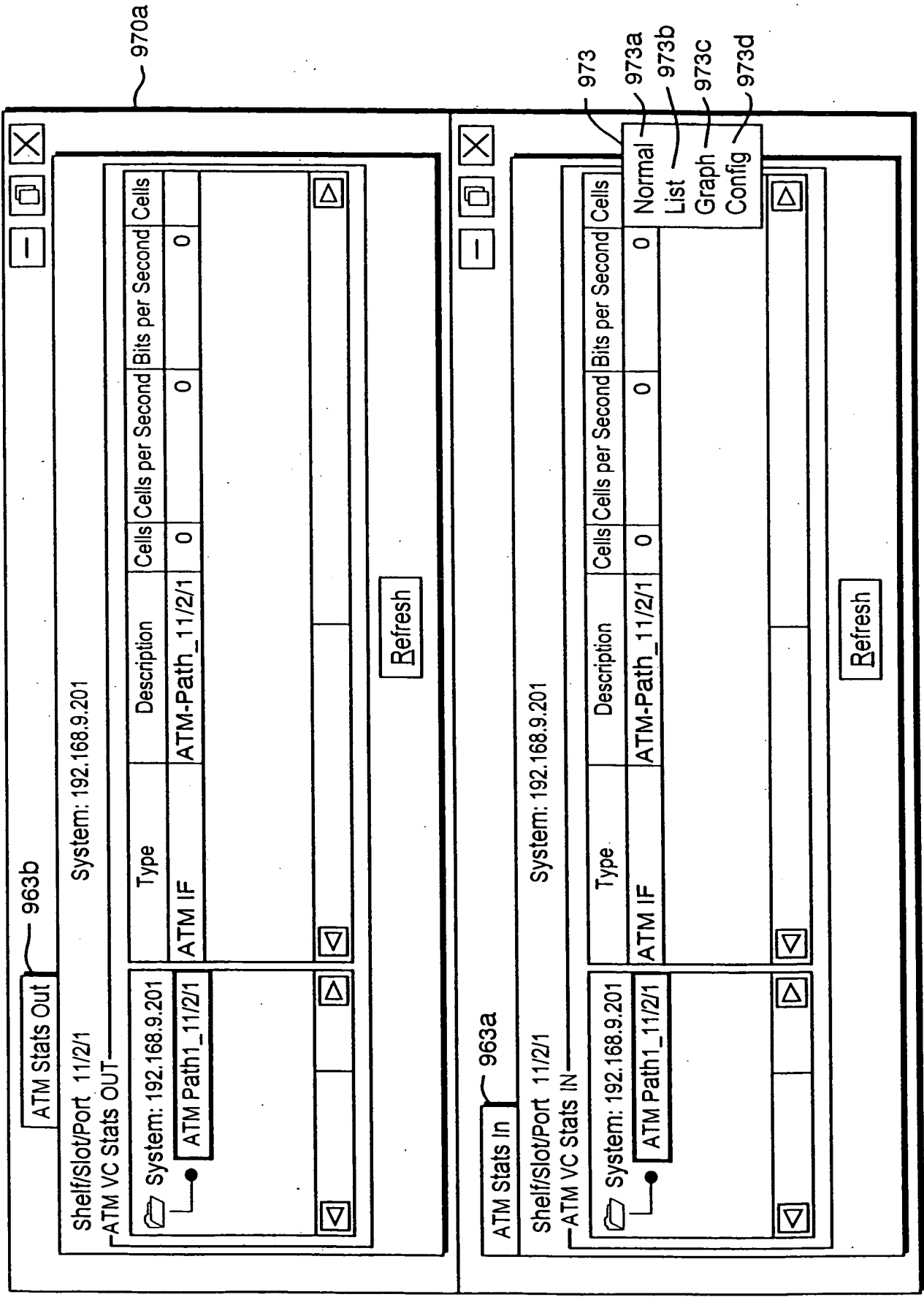


FIG. 9G

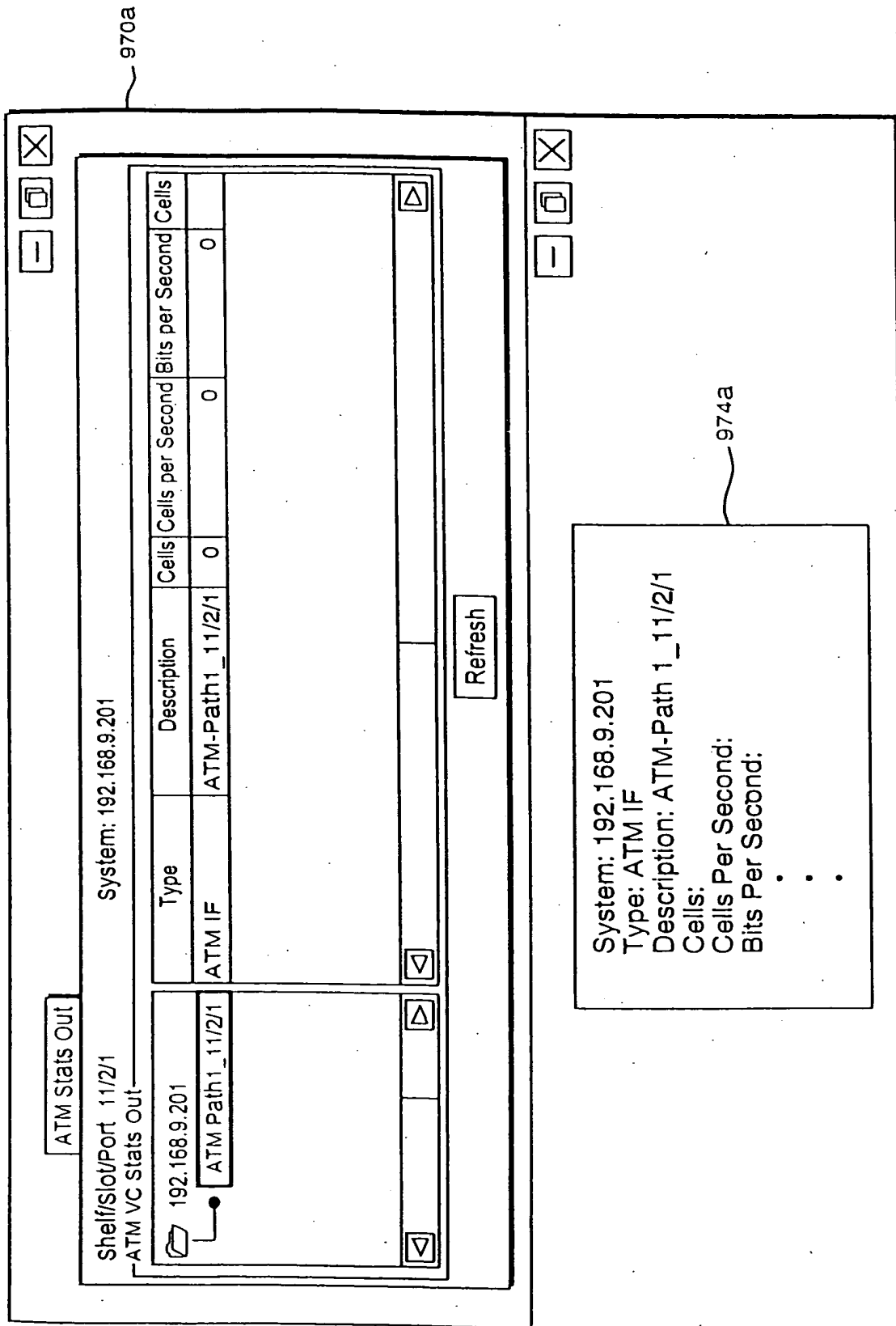


FIG. 9H

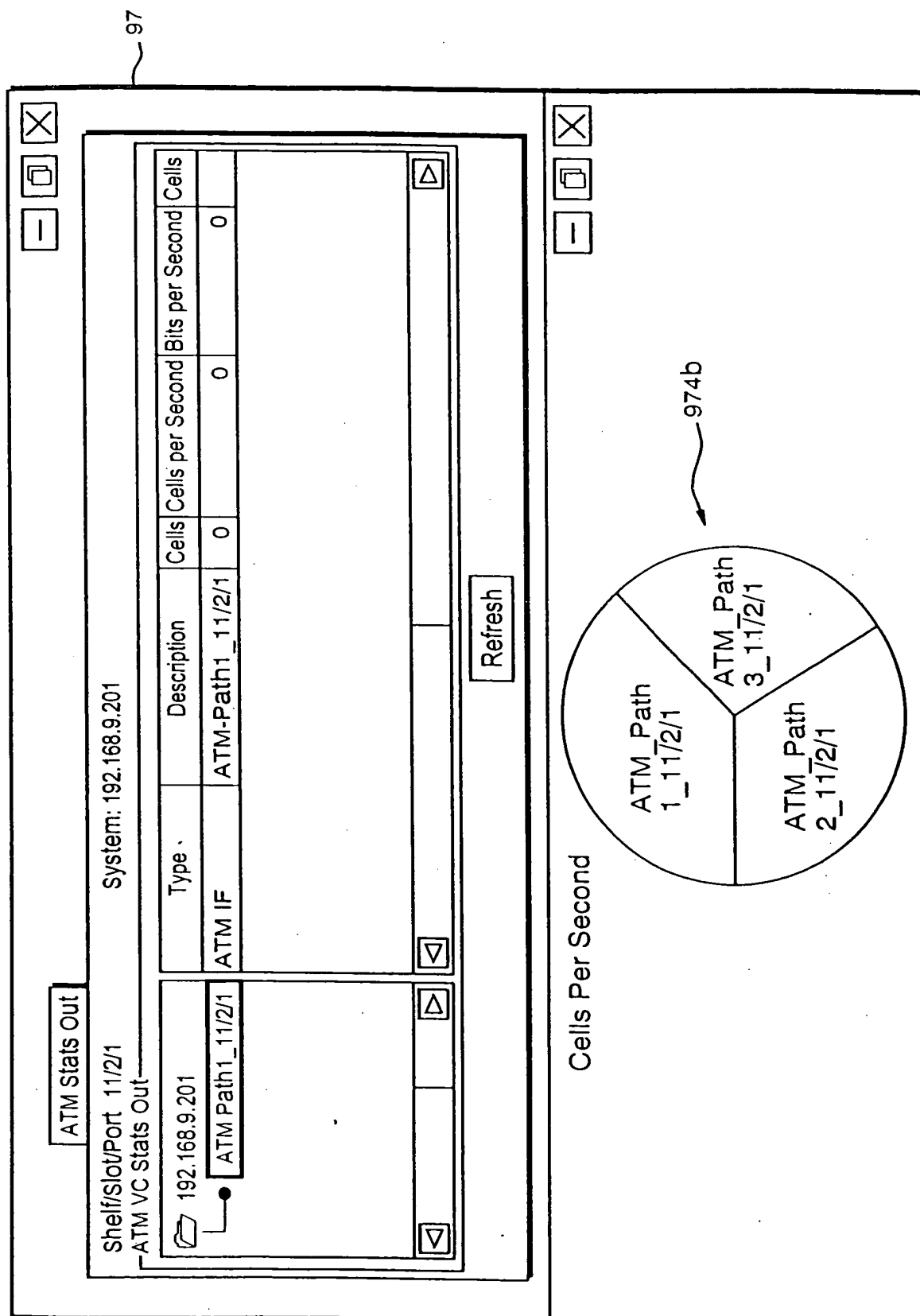


Fig. 91

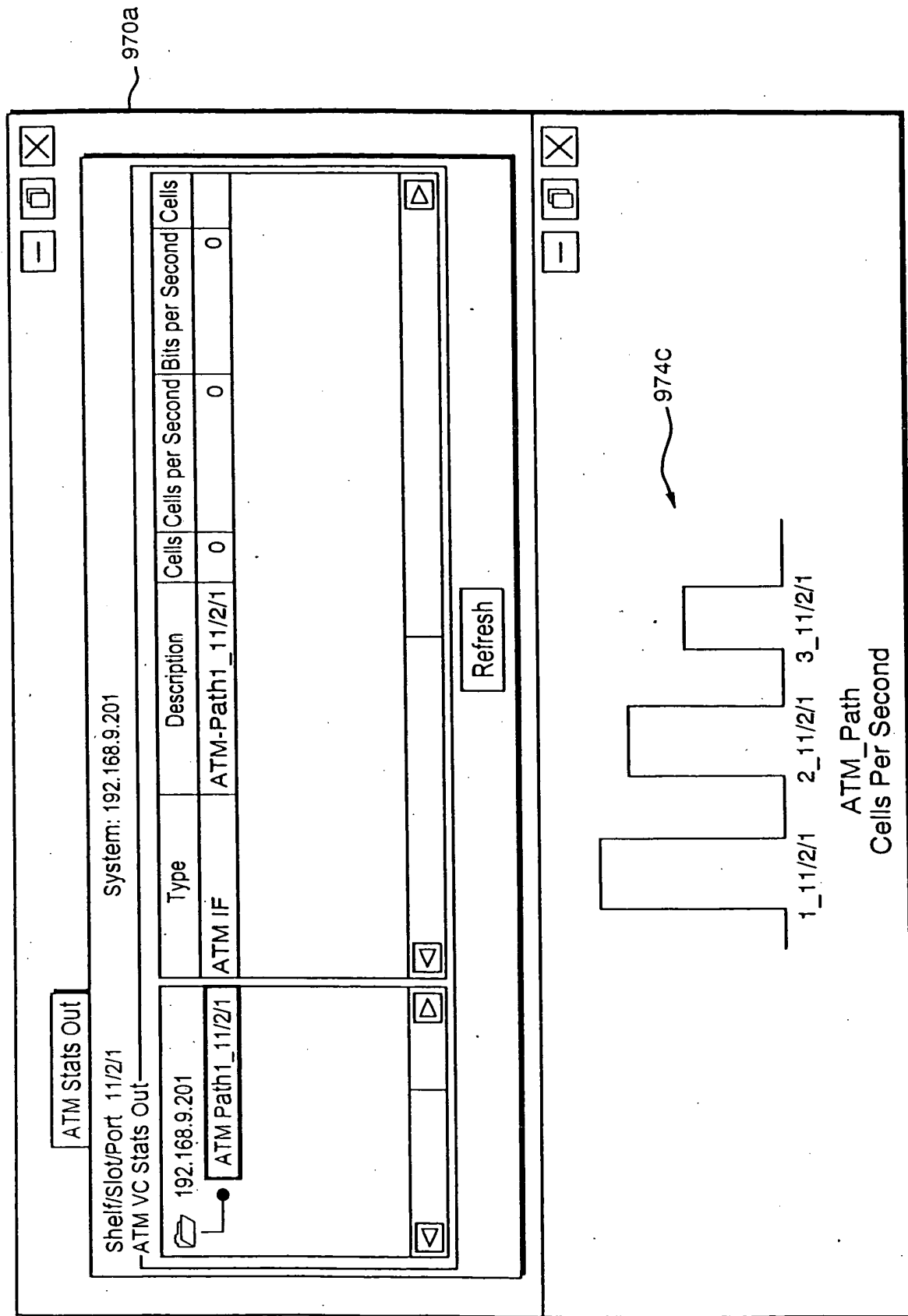


FIG. 9J

ATM Stats Out

Shelf/Slot/Port 11/2/1
System: 192.168.9.201

ATM VC Stats OUT

System: 192.168.9.201

ATM Path1_11/2/1

Type	Description	Cells	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

Refresh

ATM Interface Properties - 192.168.9.202

Shelf/Slot/Port: 11/4/1
Path Name: Path2_11/2/1

ATM Properties

Name

ATM-Path_11/2/1

Minimum VPI bits

1

Maximum VPI bits

8

Minimum VCI bits

5

Maximum VCI bits

16

OK

Cancel

ATM Interface Properties - 192.168.9.202

Shelf/Slot/Port: 11/4/1 Path Name: Path2_ 11/2/1

ATM Properties

Name	
Minimum VPI bits	1
Maximum VPI bits	8
Minimum VCI bits	5
Maximum VCI bits	16

OK Cancel

FIG. 9K

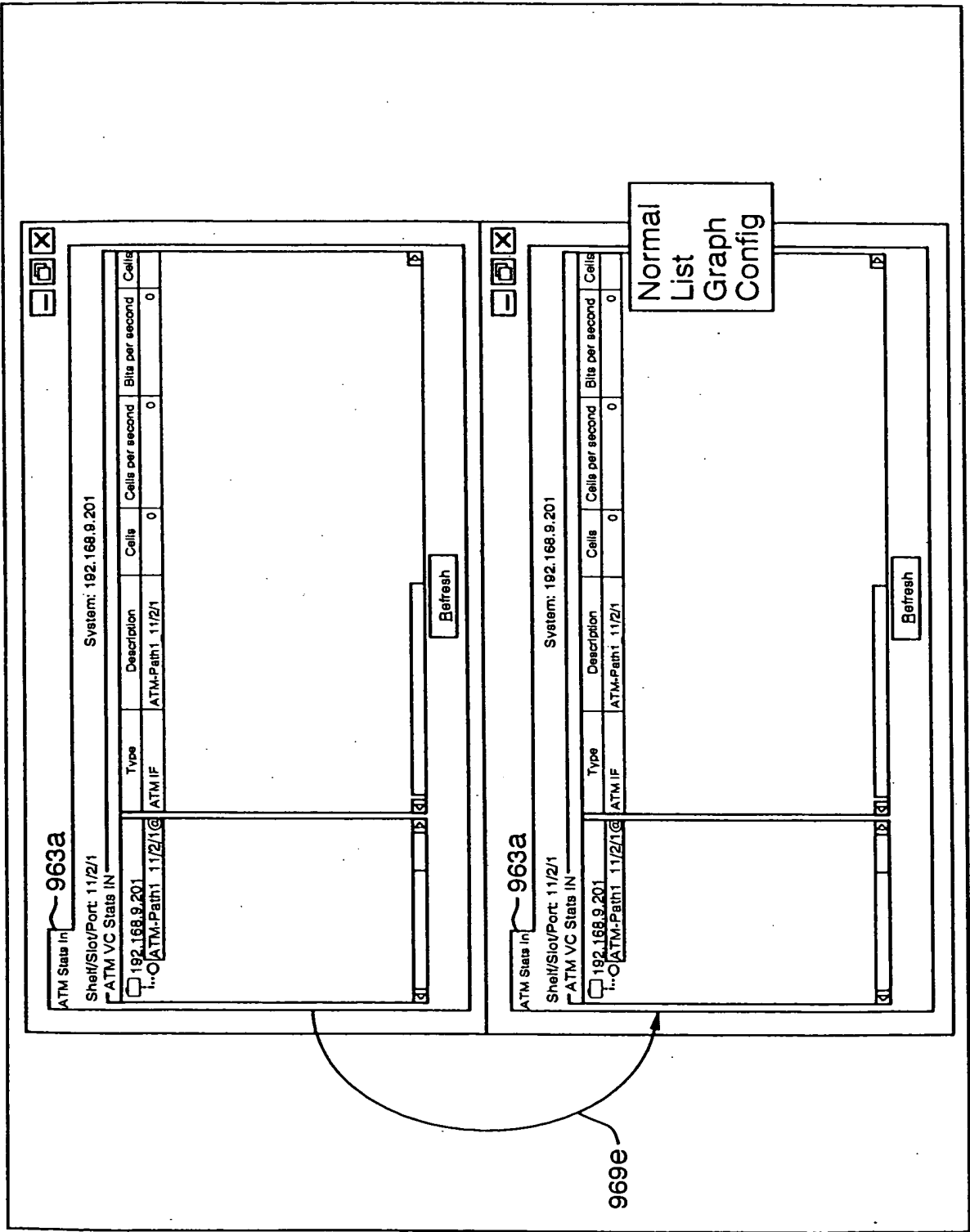


FIG. 9L

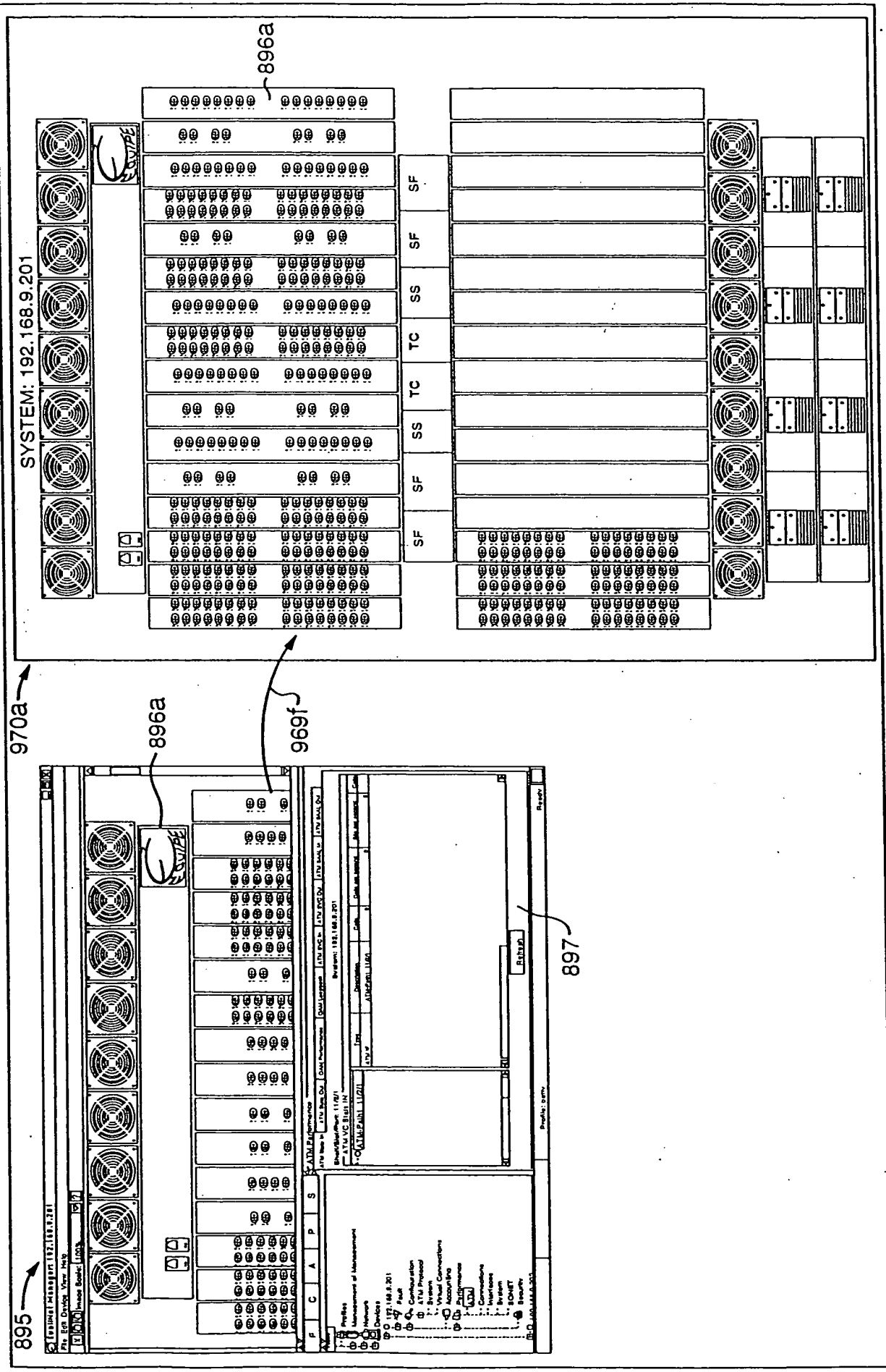


FIG. 9M

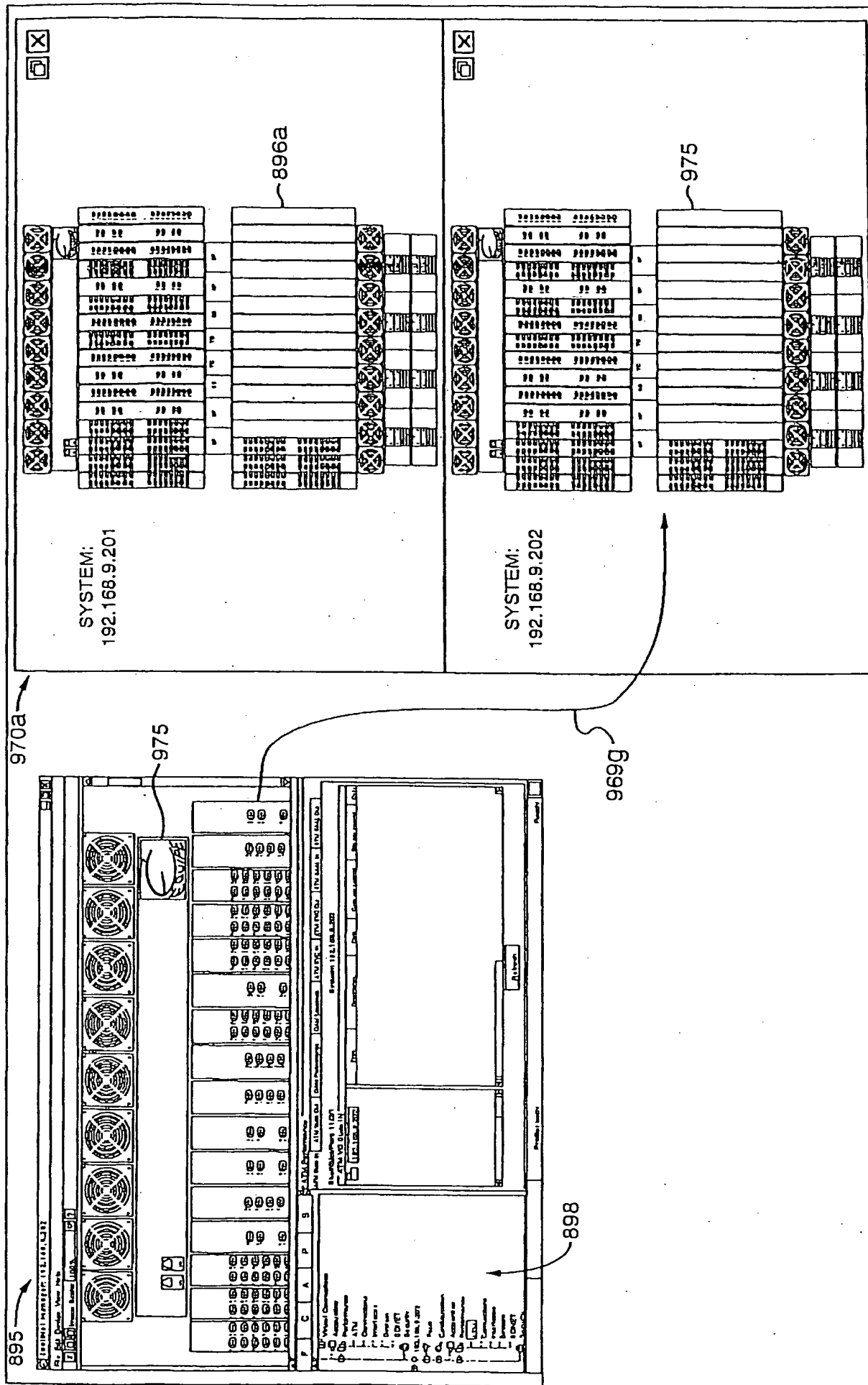
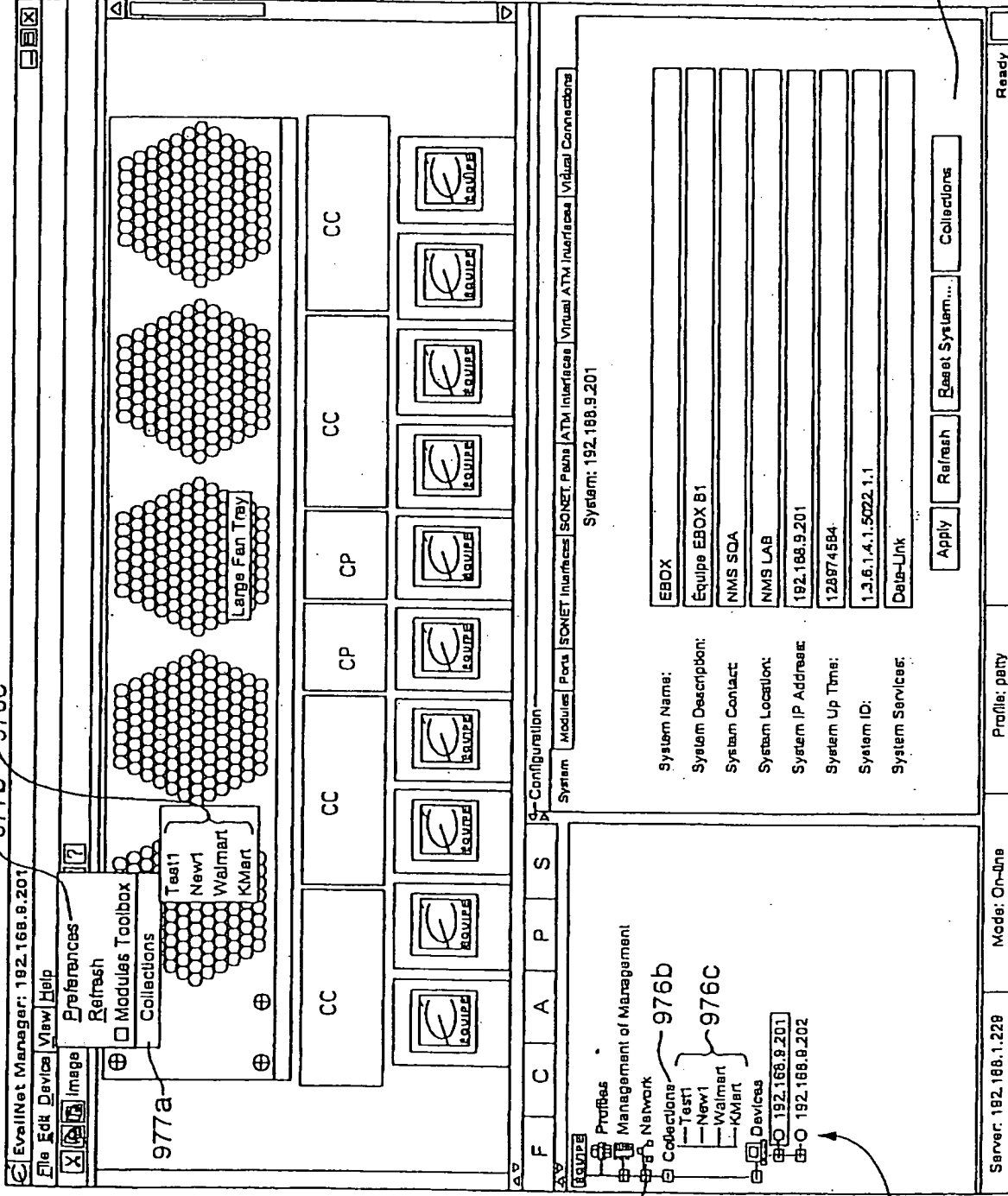


FIG. 9N

895

977b 976C



976a

976b

976C

898

897

FIG. 10A



Кавару

895

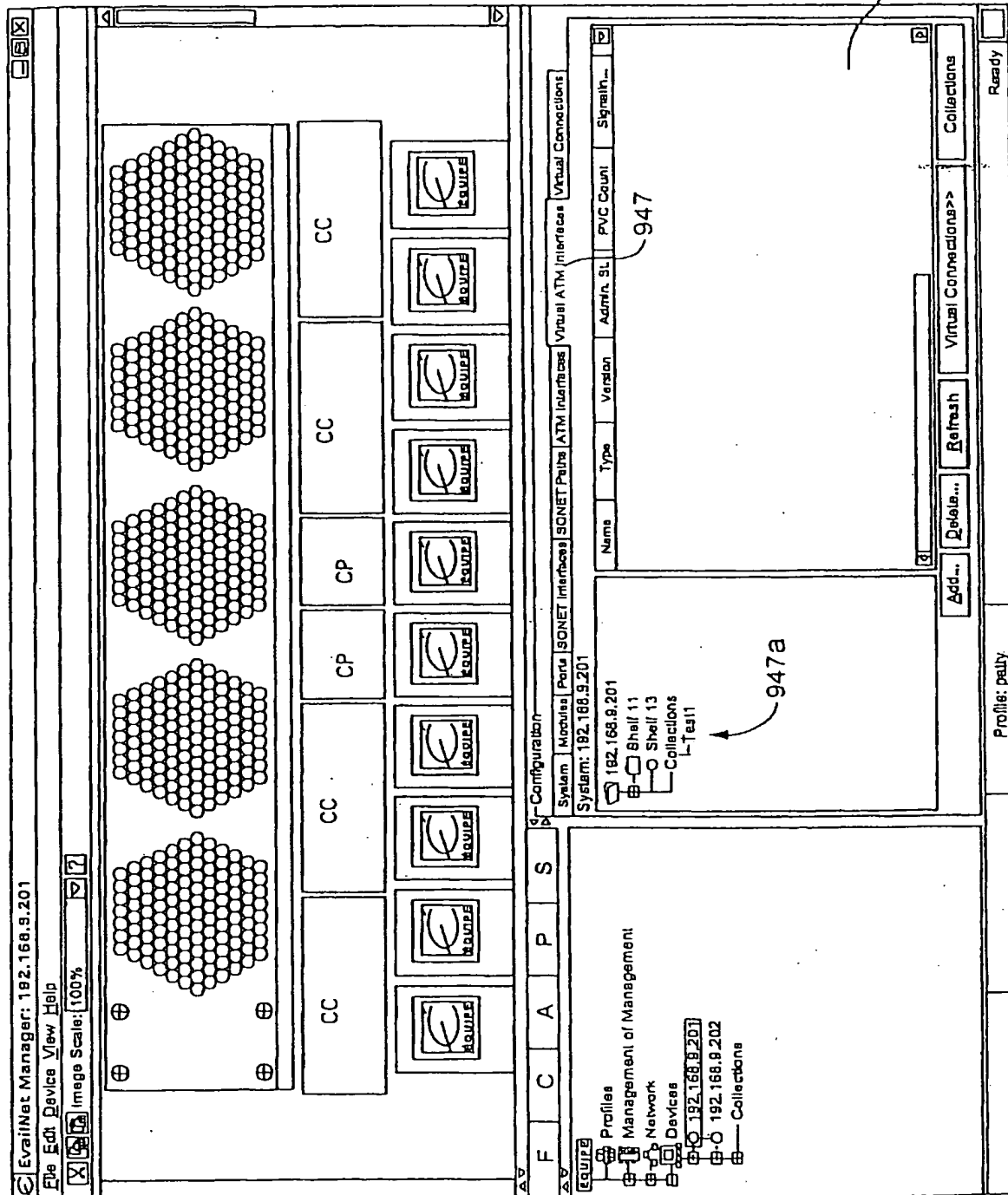


FIG. 10C

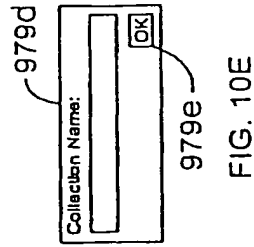
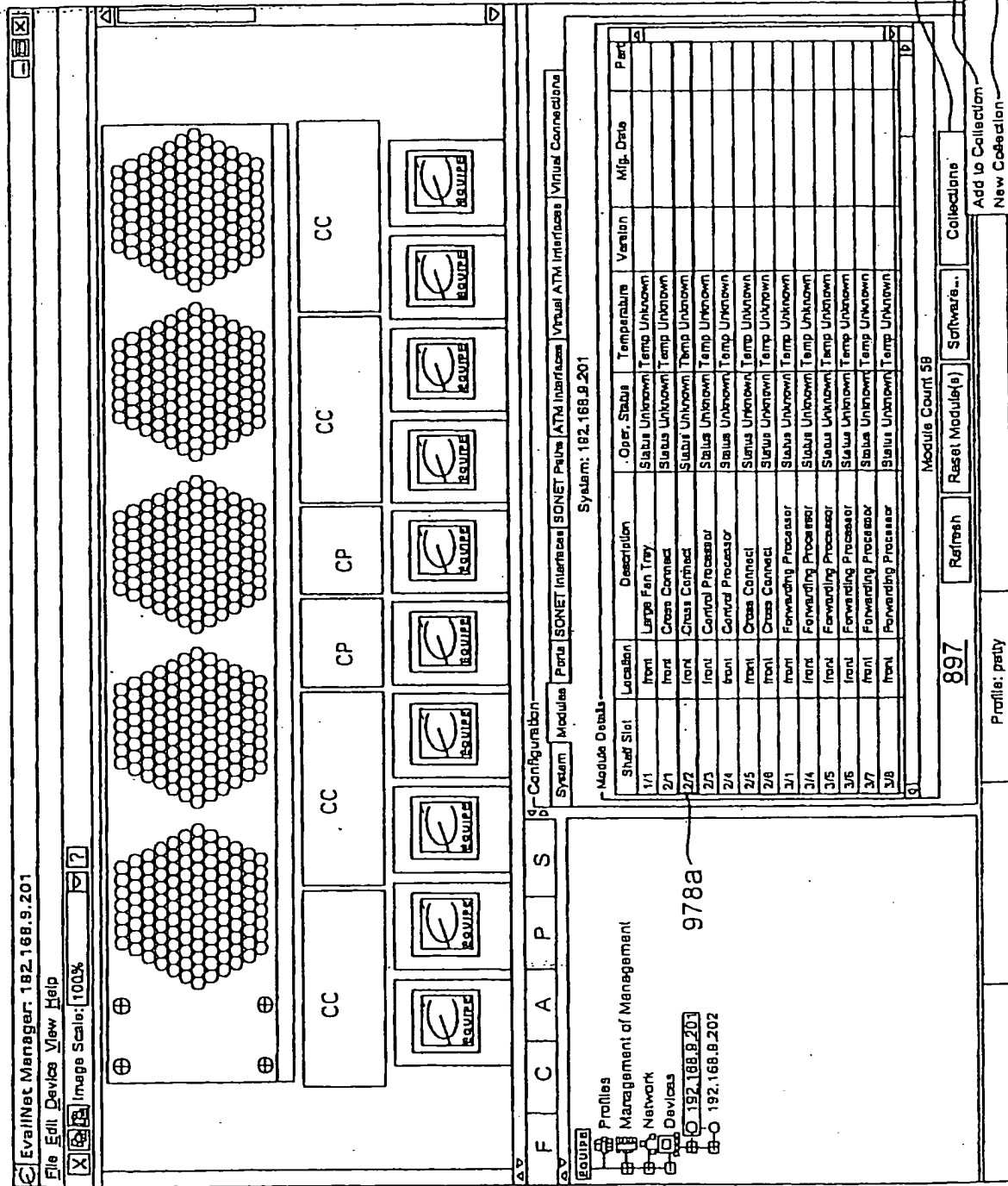


FIG. 10E

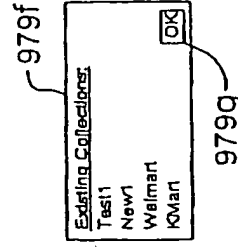


FIG. 10F

895

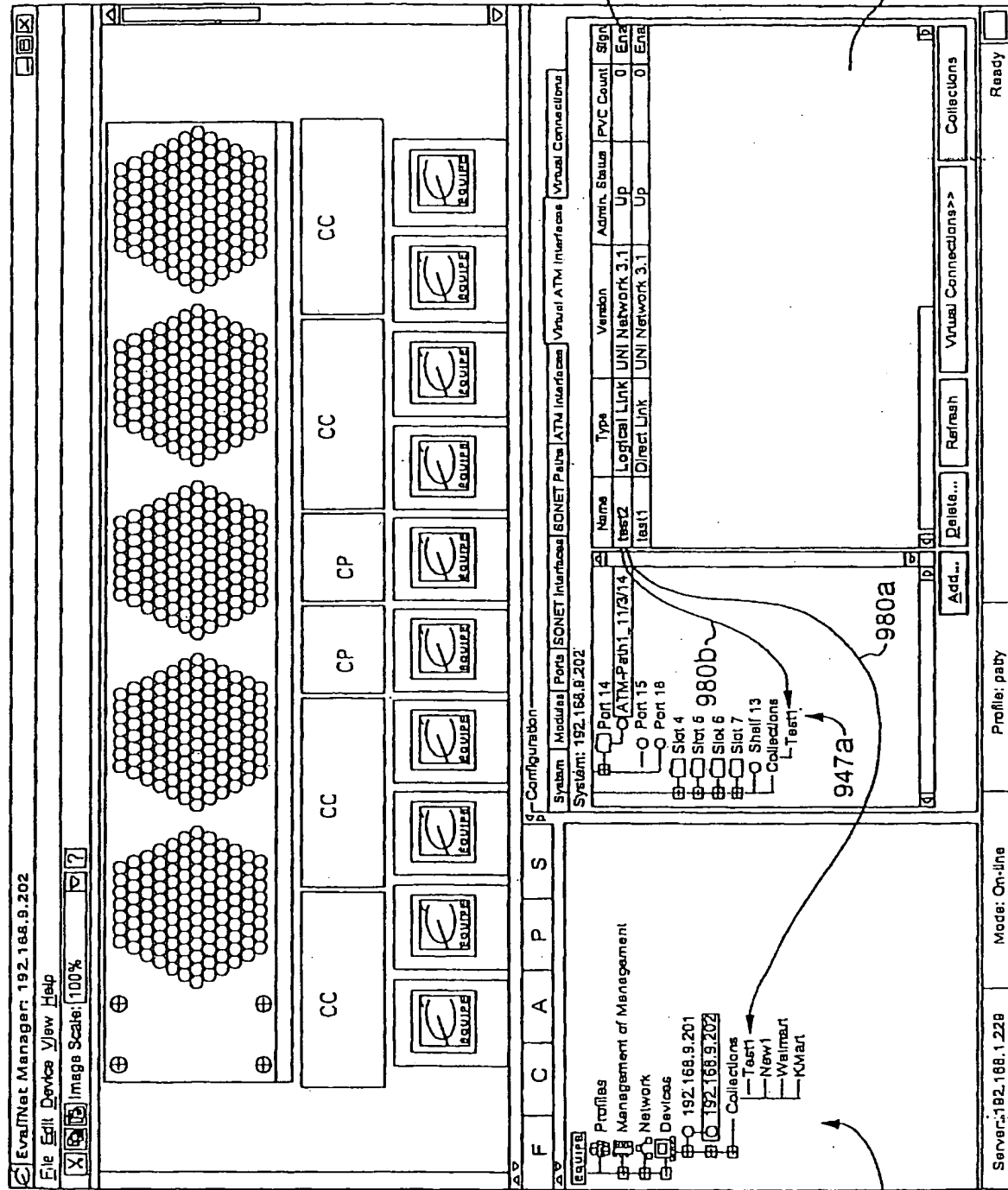


FIG. 10G

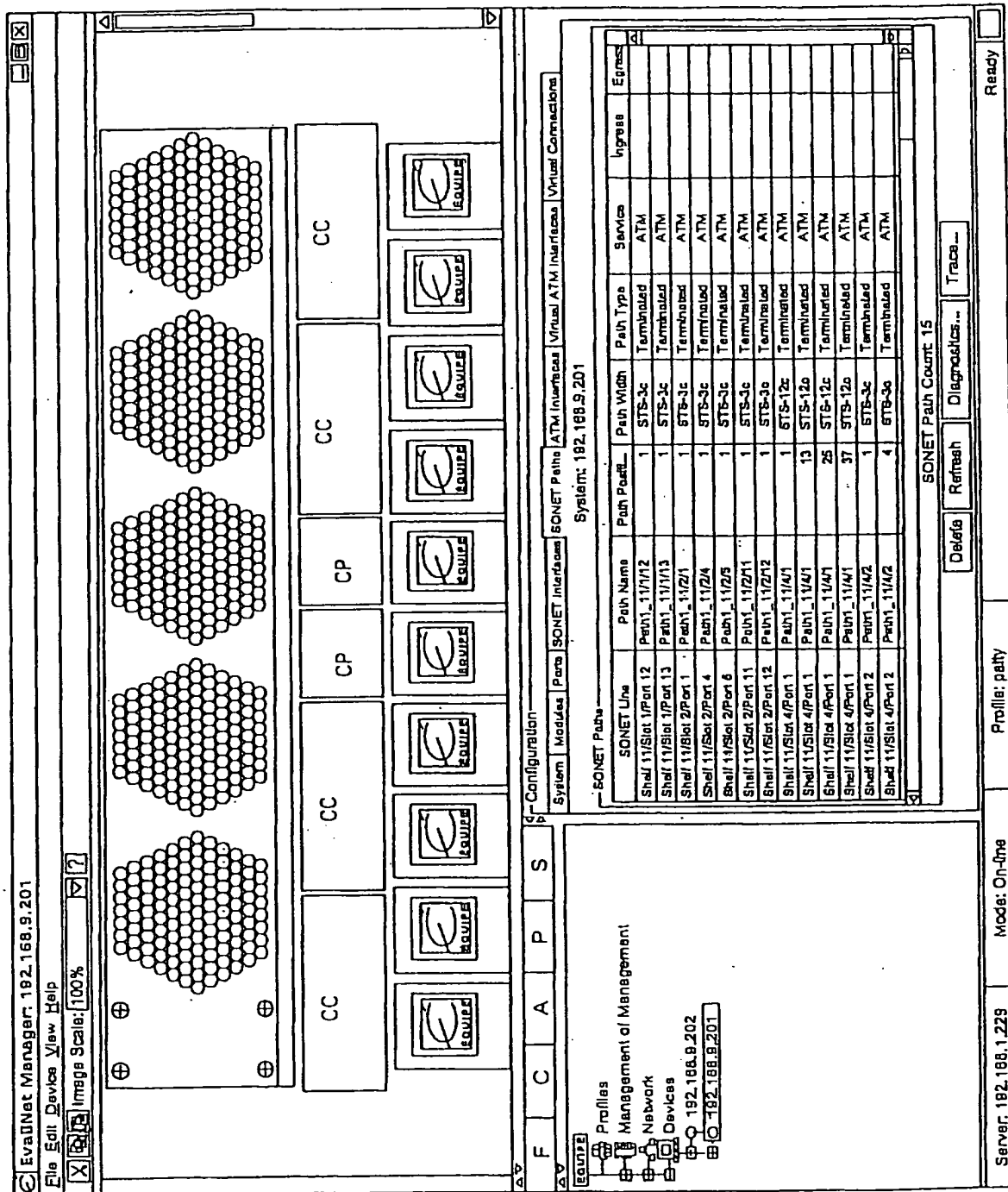


FIG. 10H

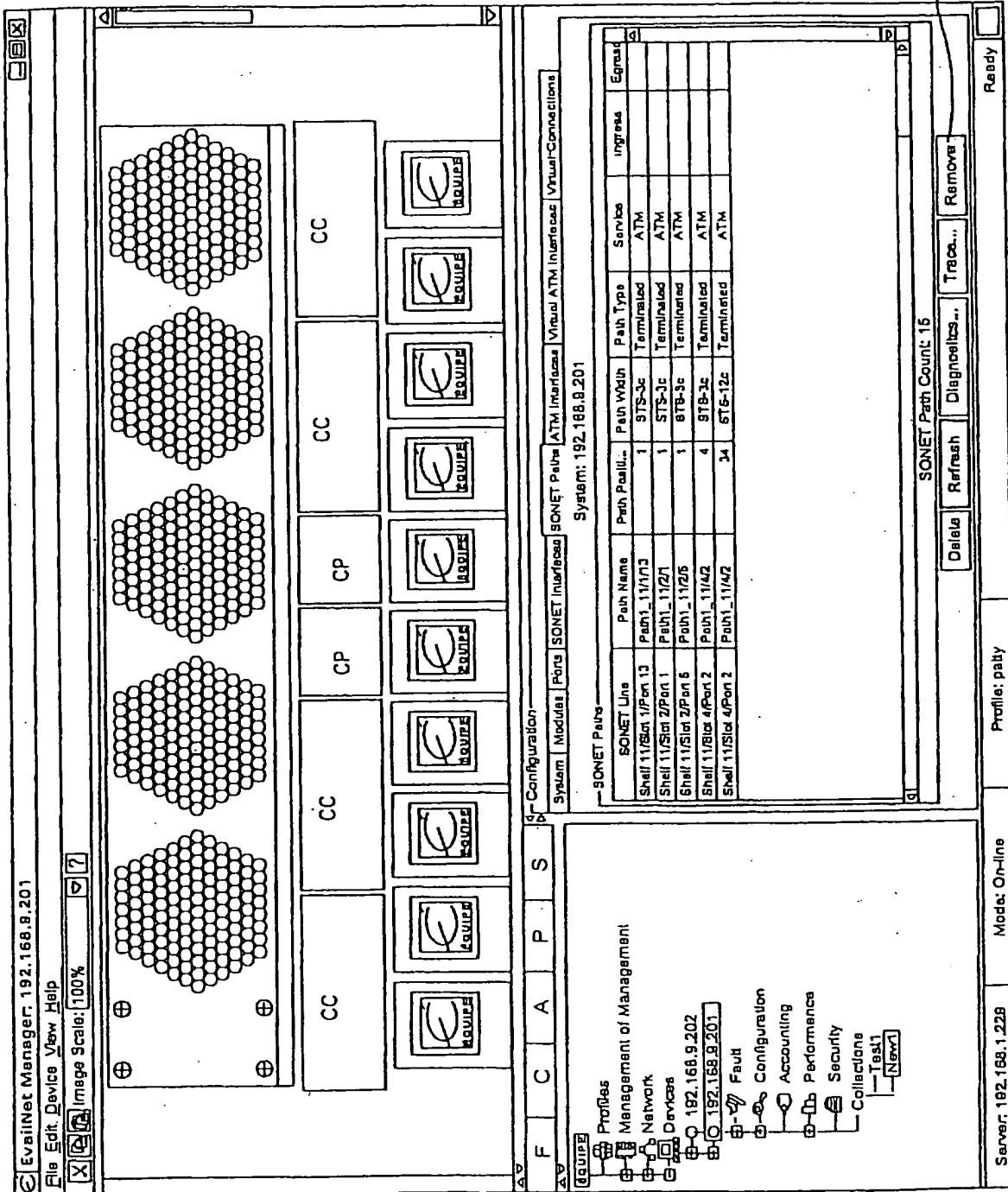


FIG. 101

903

Profiles

System: 192.132.60.150

Profile Manager

Name	Description	Security Level	Timeout	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.32
Wayne	Wayne Arena	Provisioner	15	TeamServer1:192...	TeamServer2:192.168.1.32

Add

Delete...

Refresh

Copy

904

905

906

FIG. 11A

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Developers 908j

User Session Timeout: 15 908k Minutes

TO
FIG. 11B CONTINUED

FIG. 11B

FIG. 11B CONT.

Servers

Primary Server:

192.168.1.220

6500

192.168.1.221

6503

Primary Server Port:

Secondary Server:

Secondary Server Port:

Devices

Device	READ	READWRITE	Retry	Timeout
192.168.9.202	public	equipe	3	3
192.168.9.205	public	equipe	3	3
192.168.9.216	public	equipe	3	3

Add

Delete

908g

908p

908q

908r

908s

908l

908n

908m

908o

908t

OK

Cancel

FIG. 11B

				<div>[-] [] [X]</div>			
General		Policies	Servers	Devices			
Username:							
Description:							
Customer Name:							
Group Level Access:							
Password:							
Confirm Password:							
<div>Kevin Kevin Snow user account Equipe ▼ ***** *****</div>							
				908t ~ OK Cancel			

FIG. 11C

General

Policies

Servers

Devices

Device	READ	READWRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	3	162
192.168.9.205	public	equipe	3	3	162
192.168.9.216	public	equipe	3	3	5012

Add

Delete

908t ~

OK

Cancel

FIG. 11D

General

Policies

Servers

Devices

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.205

6503

908t

OK

Cancel

FIG. 11E

				<div>— □ ×</div>		
General		Policies	Servers	Devices		
Username:				Kevin		
Description:				Kevin Snow user account		
Customer Name:				Equipe		
Group Level Access:				<input type="checkbox"/>		
Password:				*****		
Confirm Password:				*****		
				908t ~ <input type="button" value="OK"/> <input type="button" value="Cancel"/>		

FIG. 11F

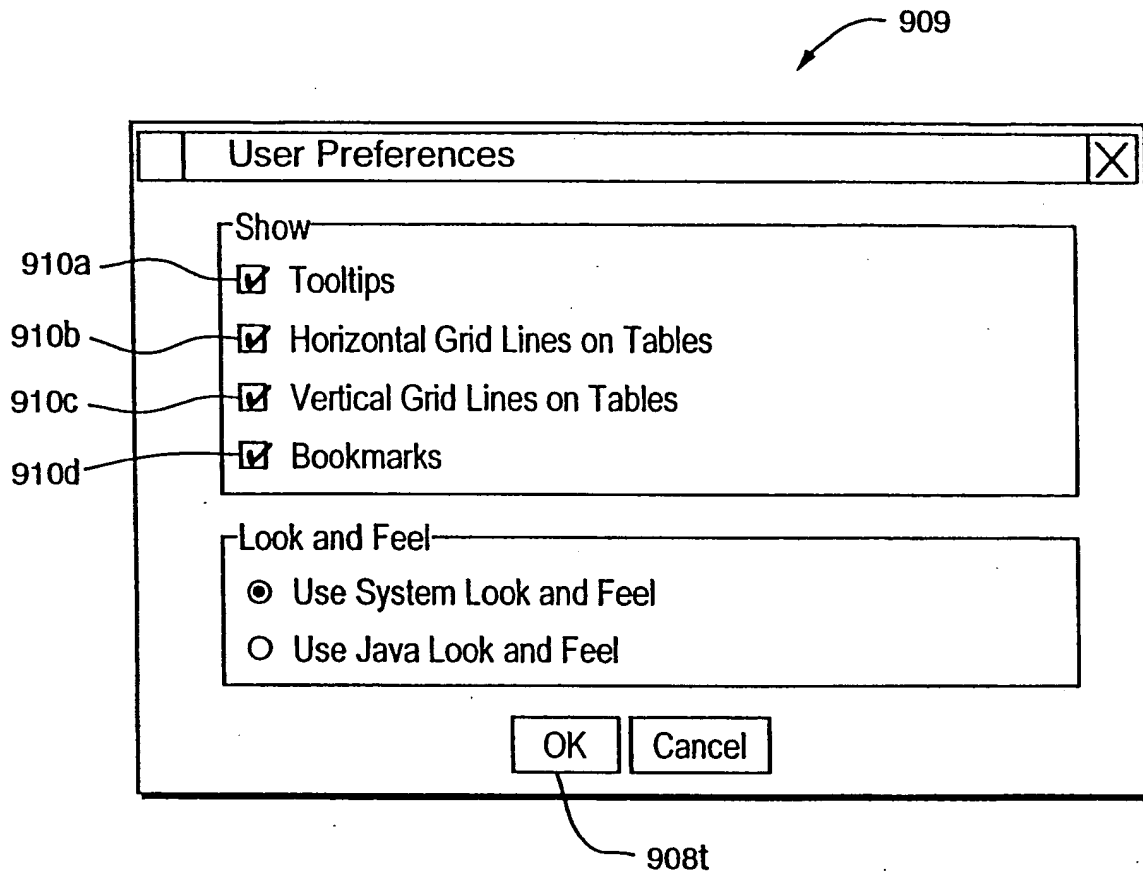


FIG. 11G

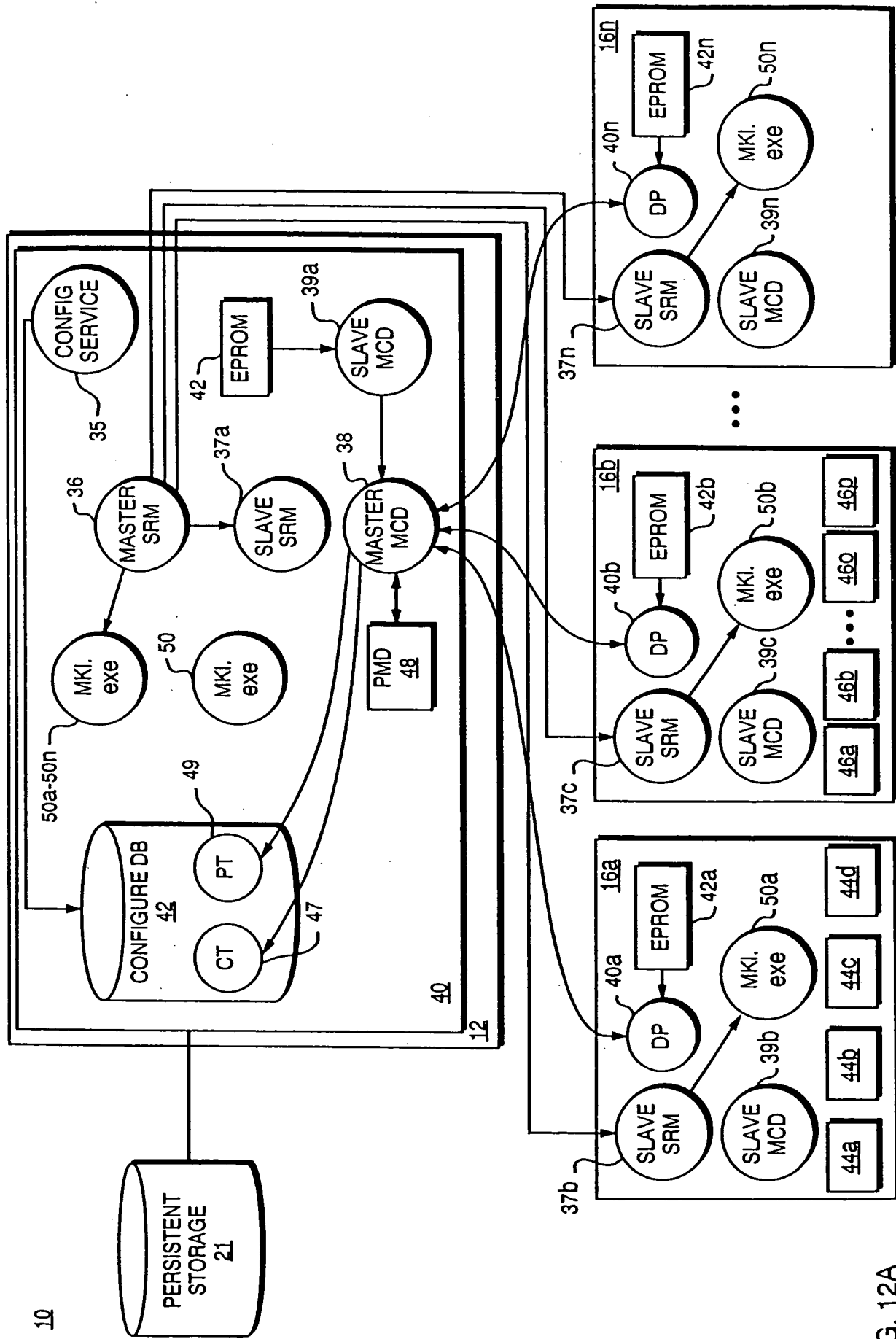


FIG. 12A

CARD TABLE

47
↓

	PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1	
16b	501	0XF002	4	2	
	⋮	⋮	⋮	⋮	⋮
16e	505	0X6002	1	5	
	⋮	⋮	⋮	⋮	⋮
16n	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12B

PORT TABLE

49



	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
46a	⋮	⋮	⋮	⋮	⋮
	1600	00620	1	8	
	⋮	⋮	⋮	⋮	⋮

FIG. 12C

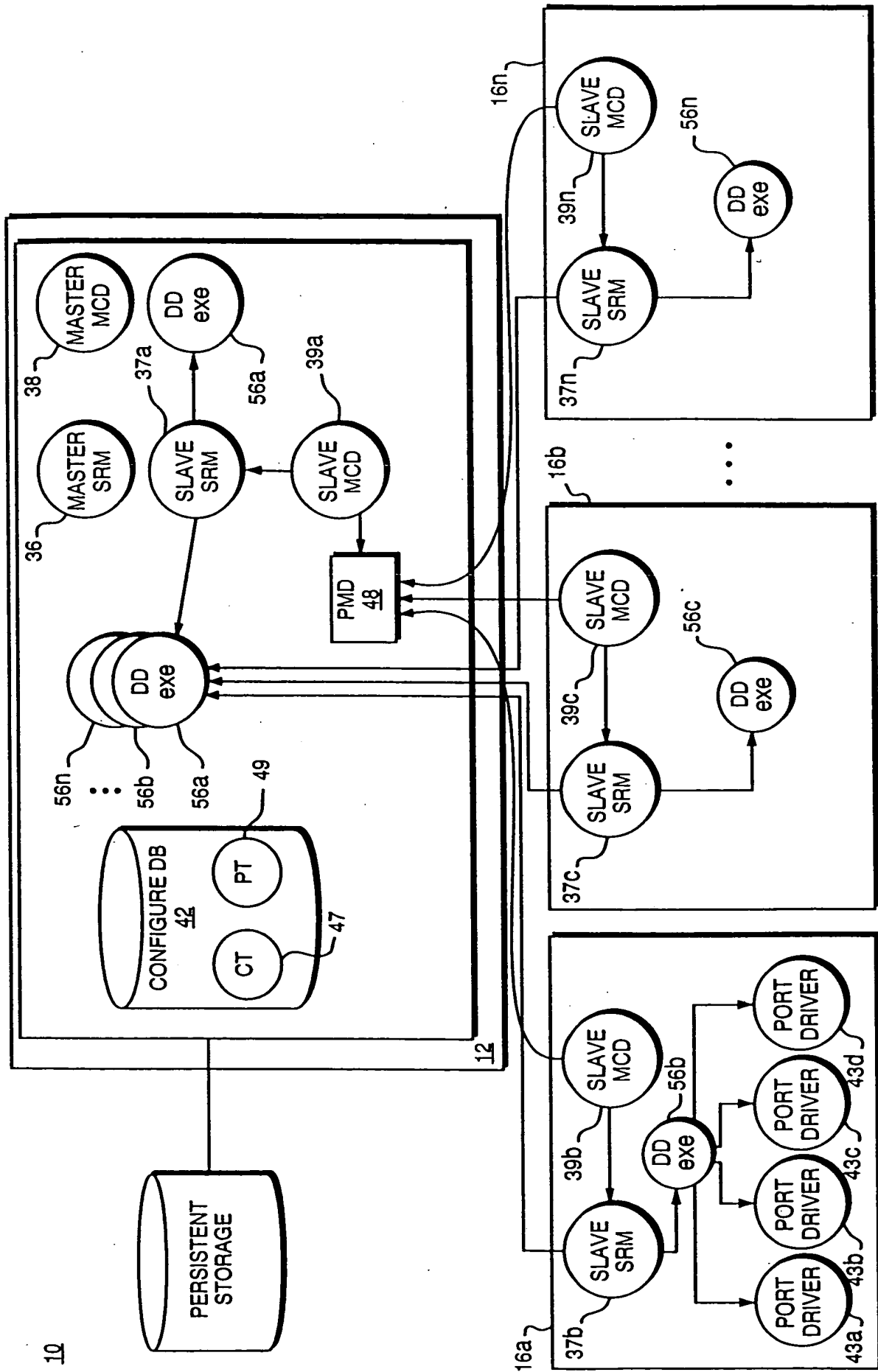


FIG. 13A

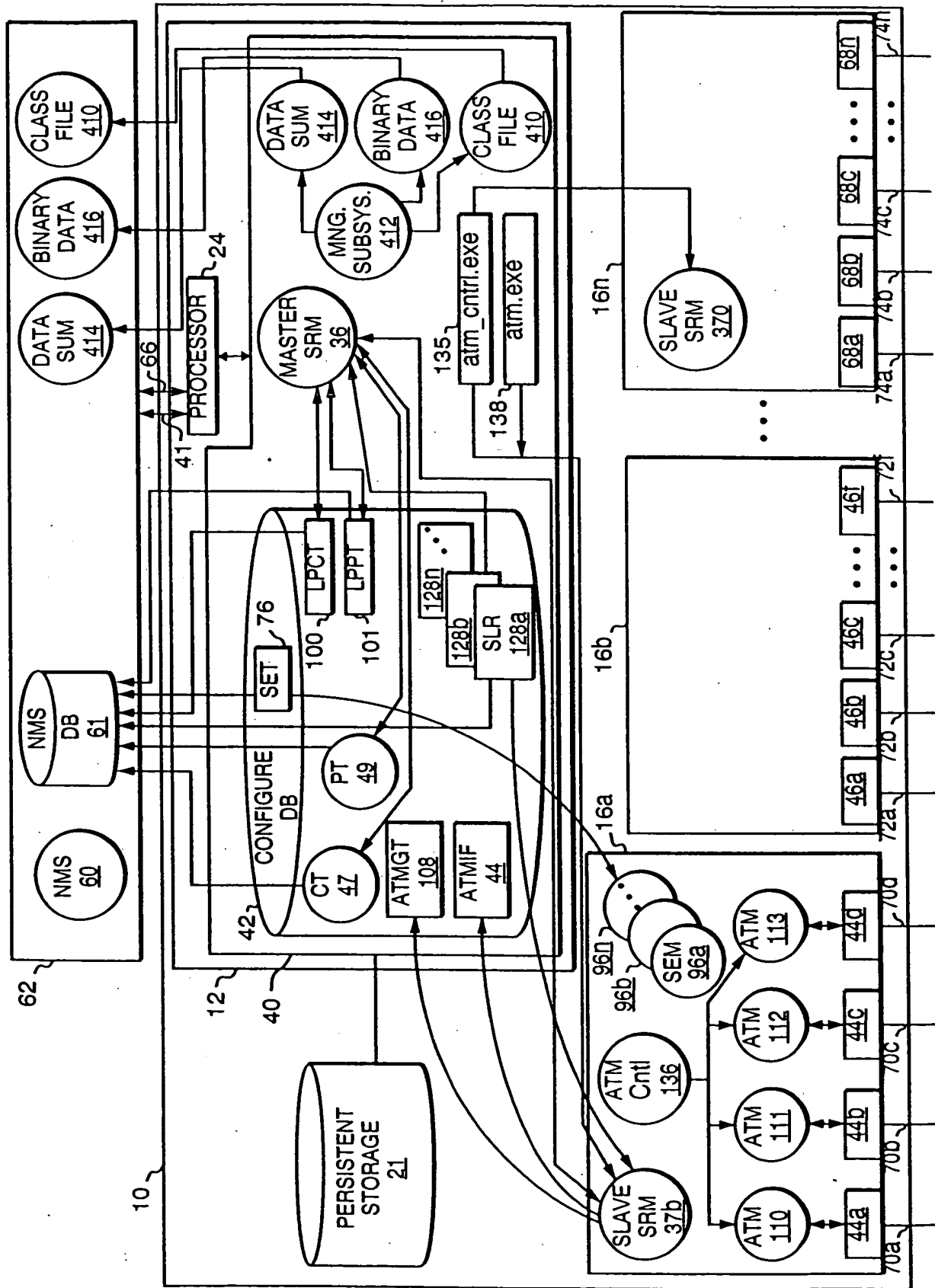


FIG. 13B

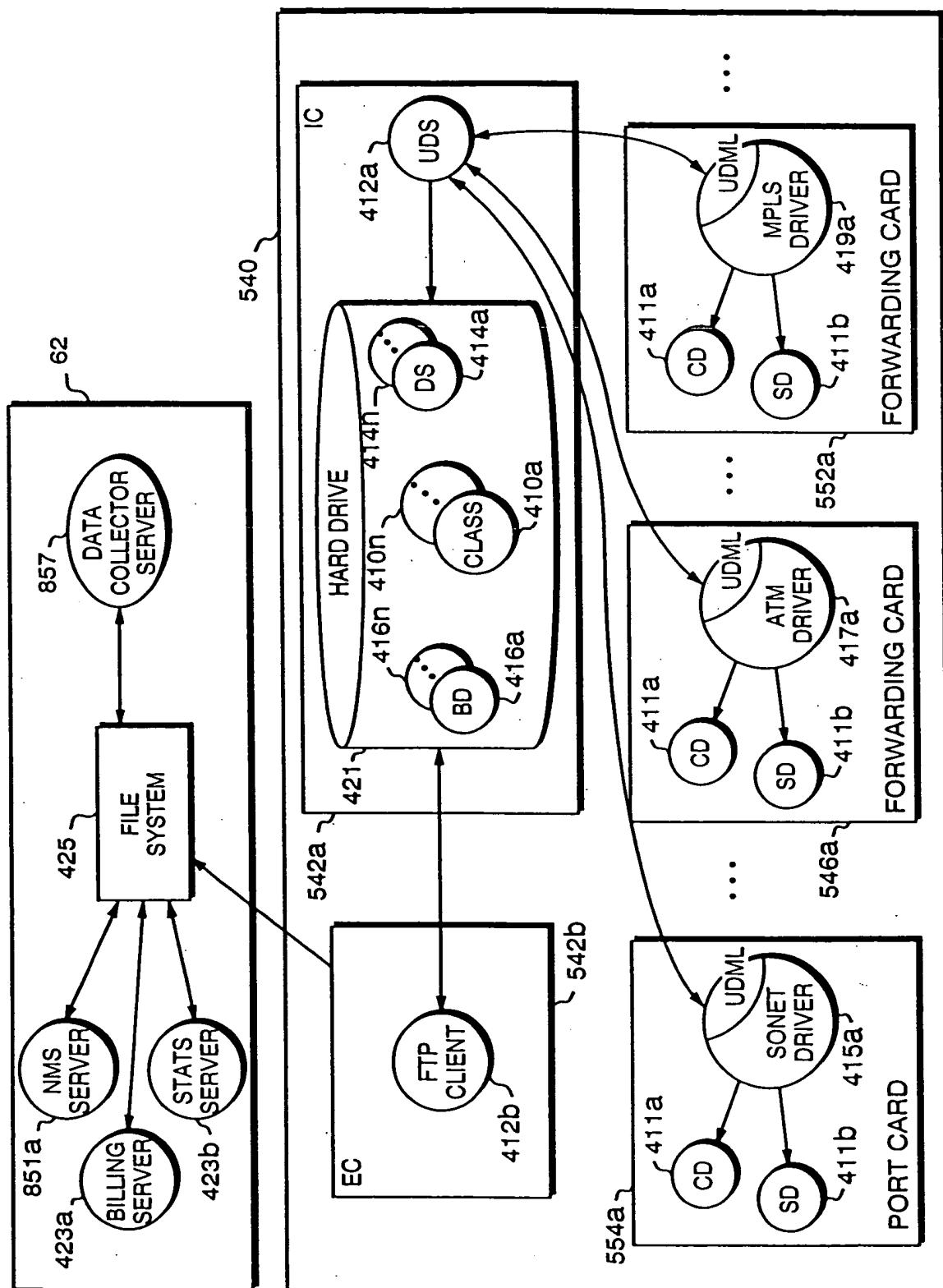


FIG. 13C

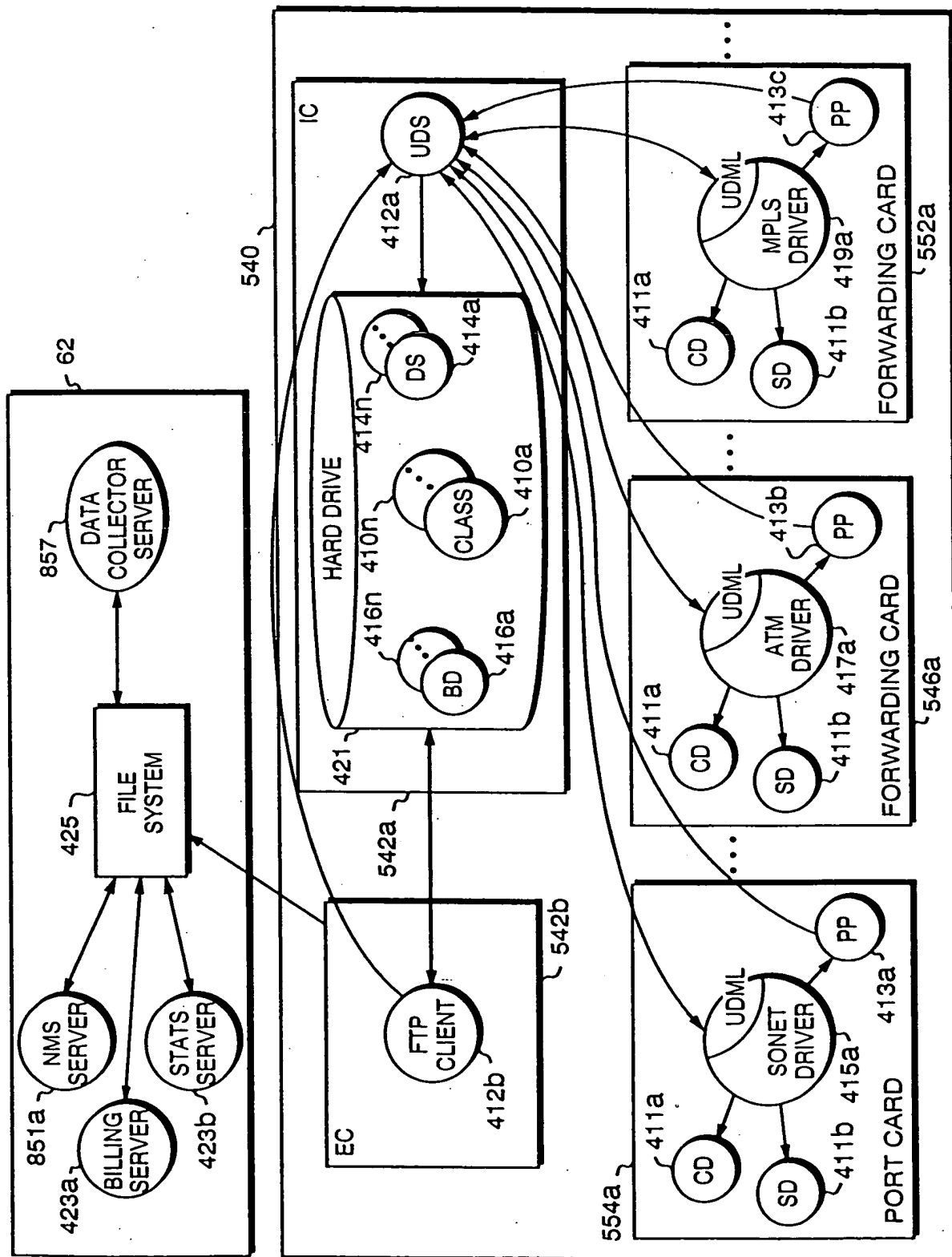


FIG. 13D

SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	.	.
	.	.
	.	.

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98 LID	102 PRIMARY PID	104 BACK-UP PID
106	30	500	513
109	31	501	513
	.	.	.
	.	.	.
	.	.	.

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98 LID	102 PRIMARY PID	104 BACK-UP PID
107	40	1500	1600
	.	.	.
	.	.	.
	.	.	.

FIG. 14C

ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
.	.	.	.
.	.	.	.
.	.	.	.
12	3	10	
.	.	.	.
.	.	.	.

FIG. 14E

SOFTWARE LOAD RECORD 128a

130	CONTROL SHIM	LID	132
134	atm-cntl.exe	30	

FIG. 14F

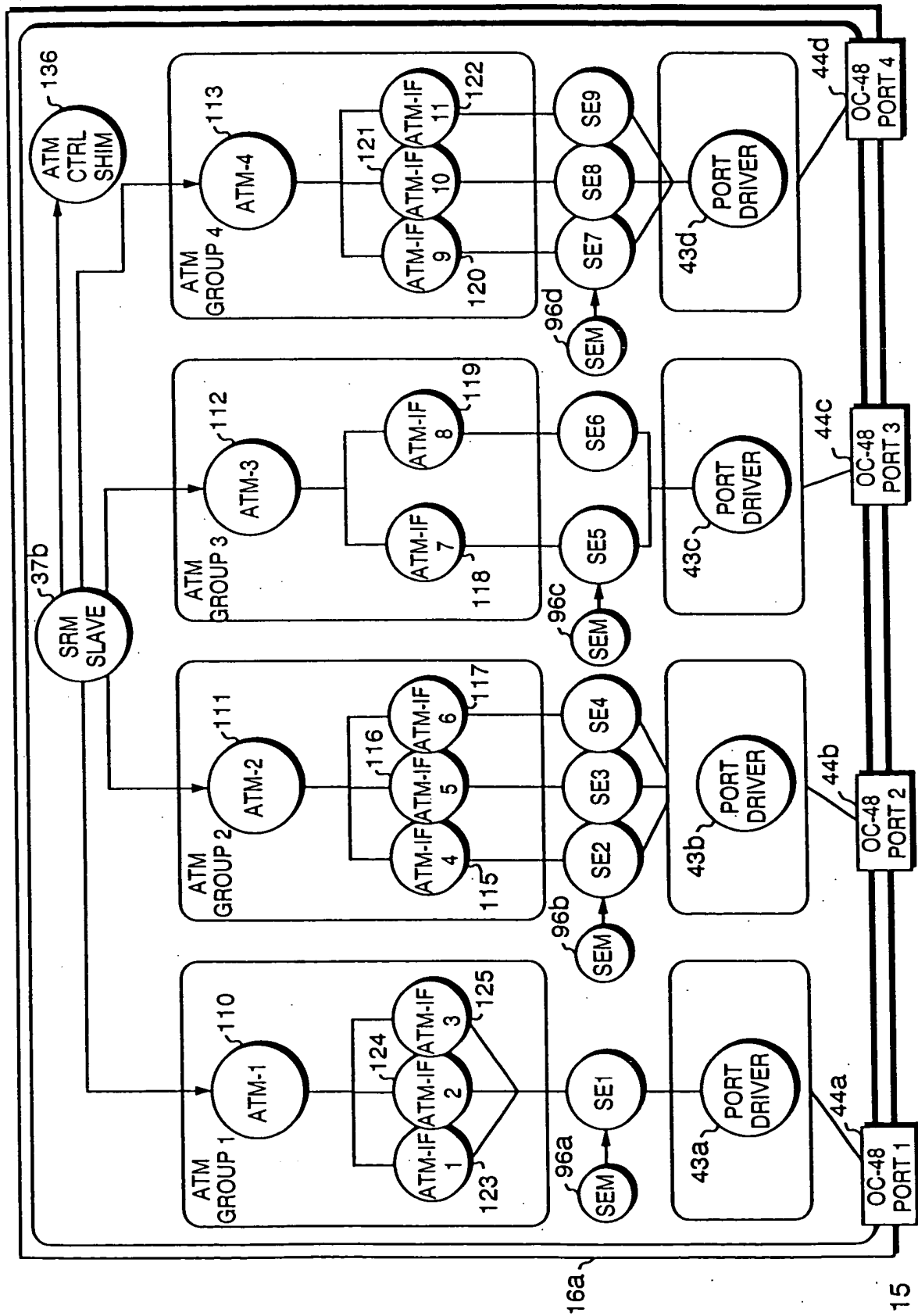


FIG. 15

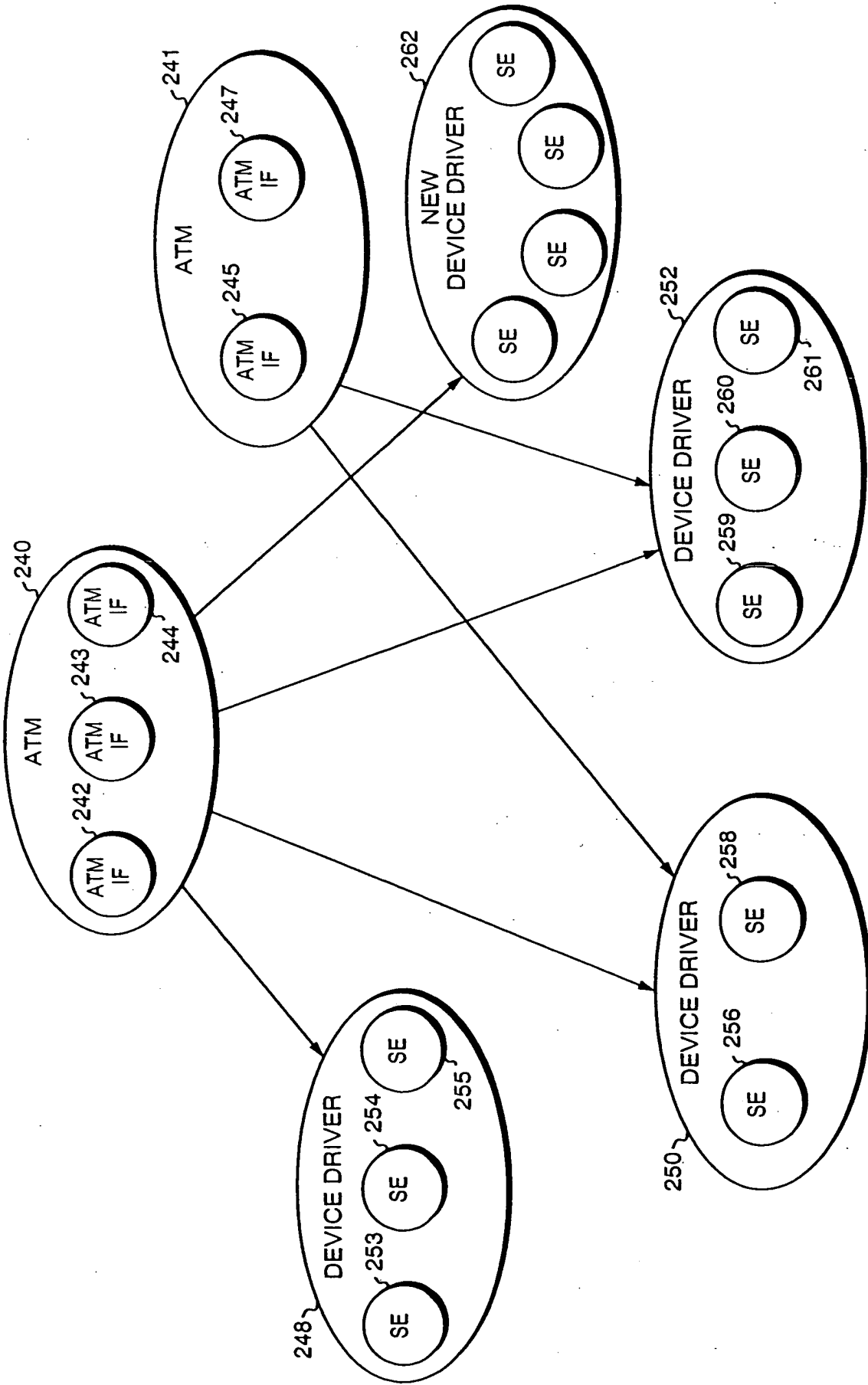


FIG. 16A

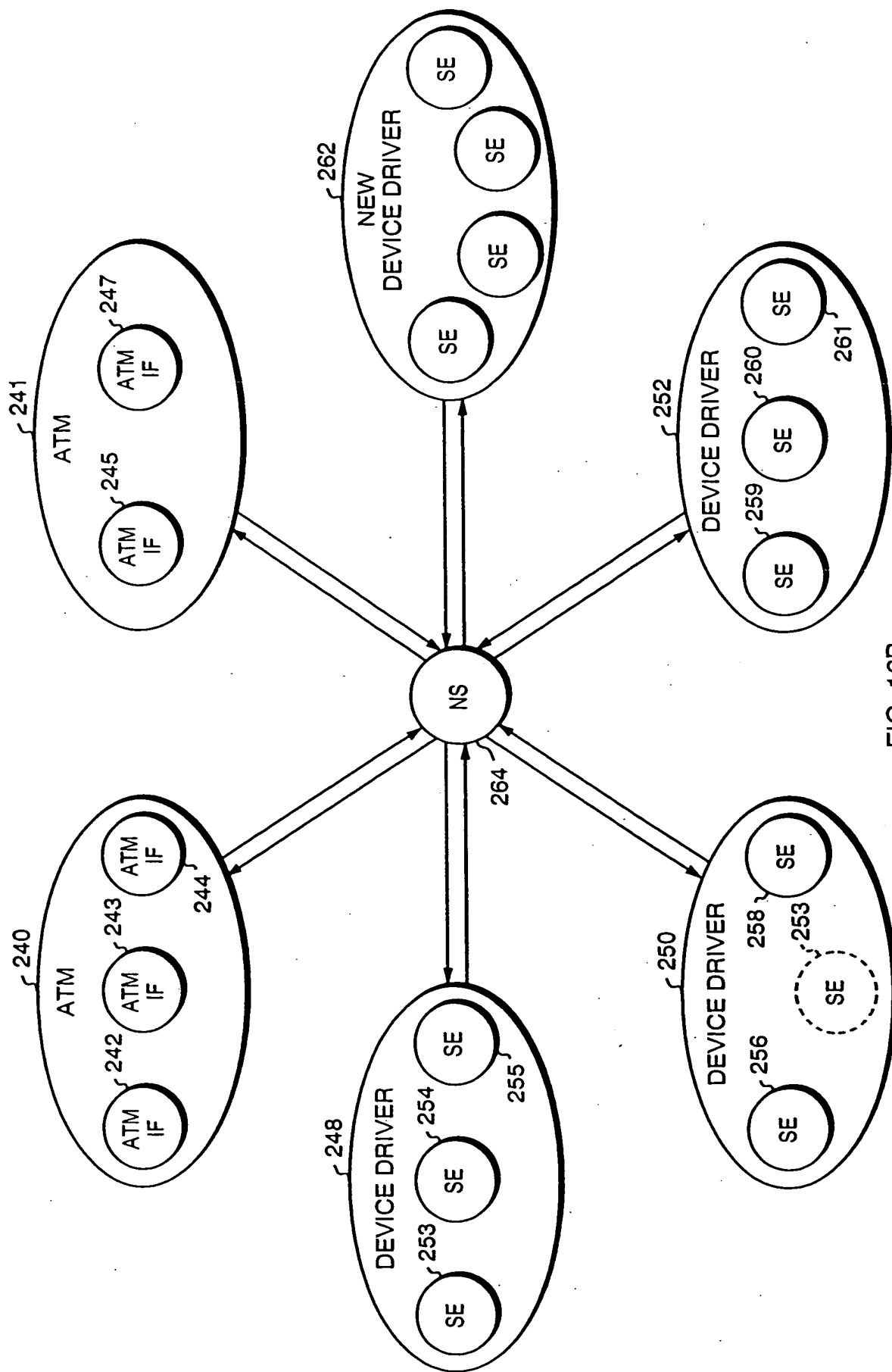


FIG. 16B

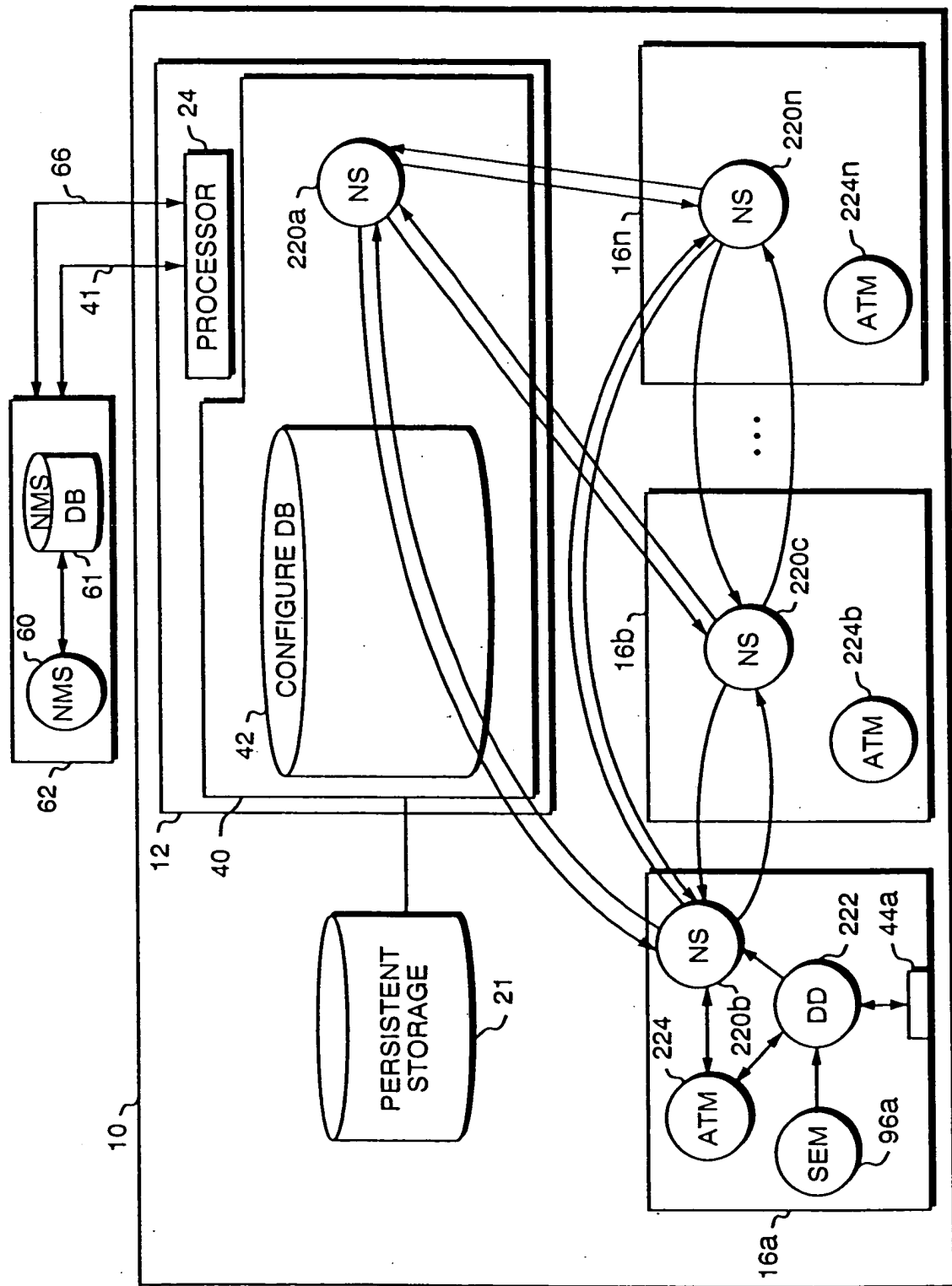


FIG. 16C

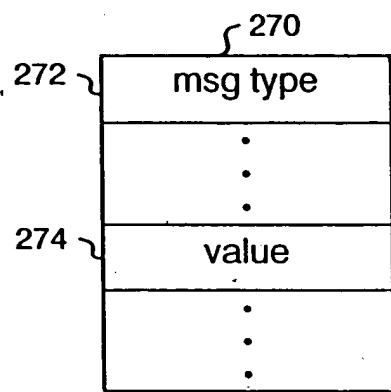


FIG. 16D

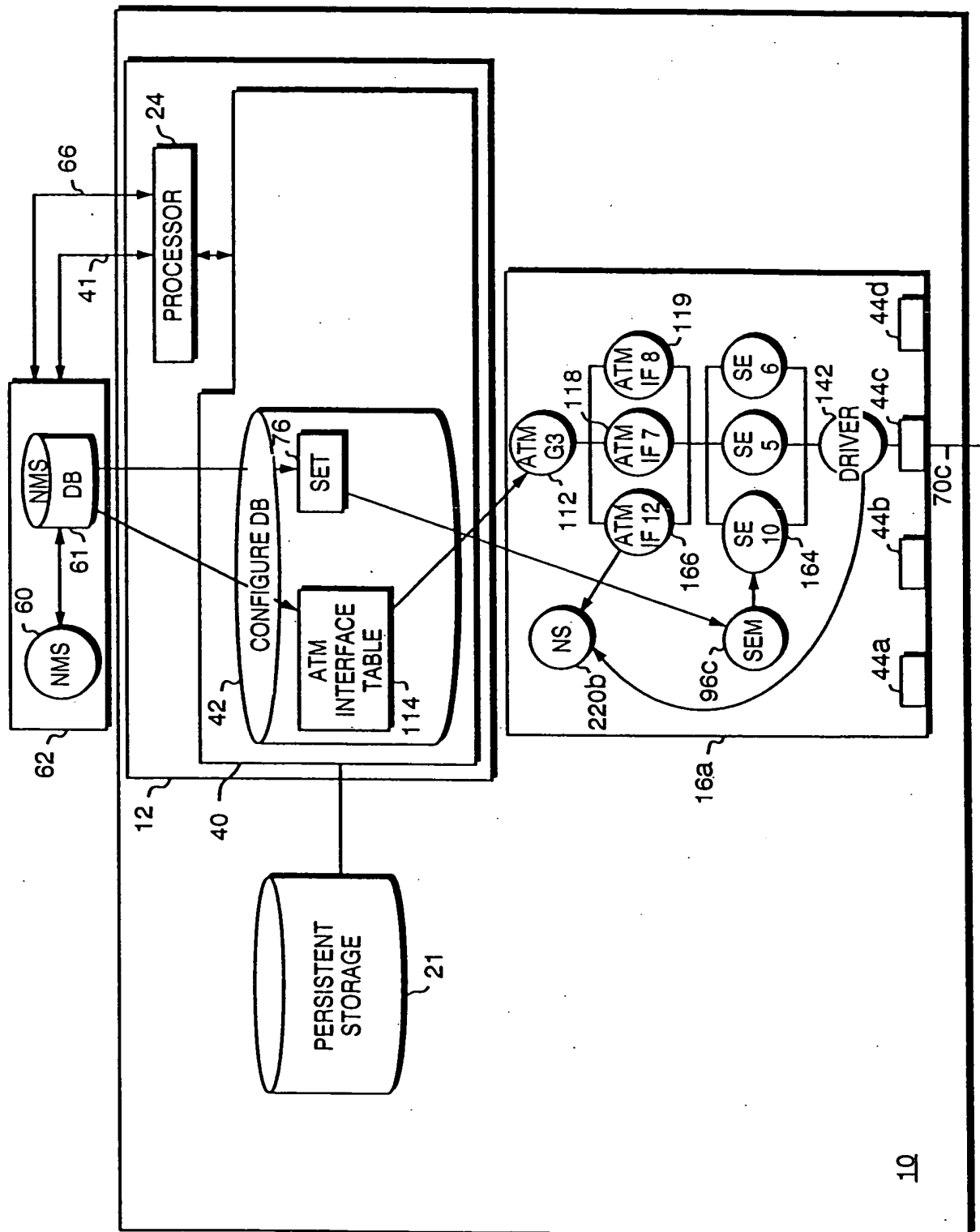


FIG. 17

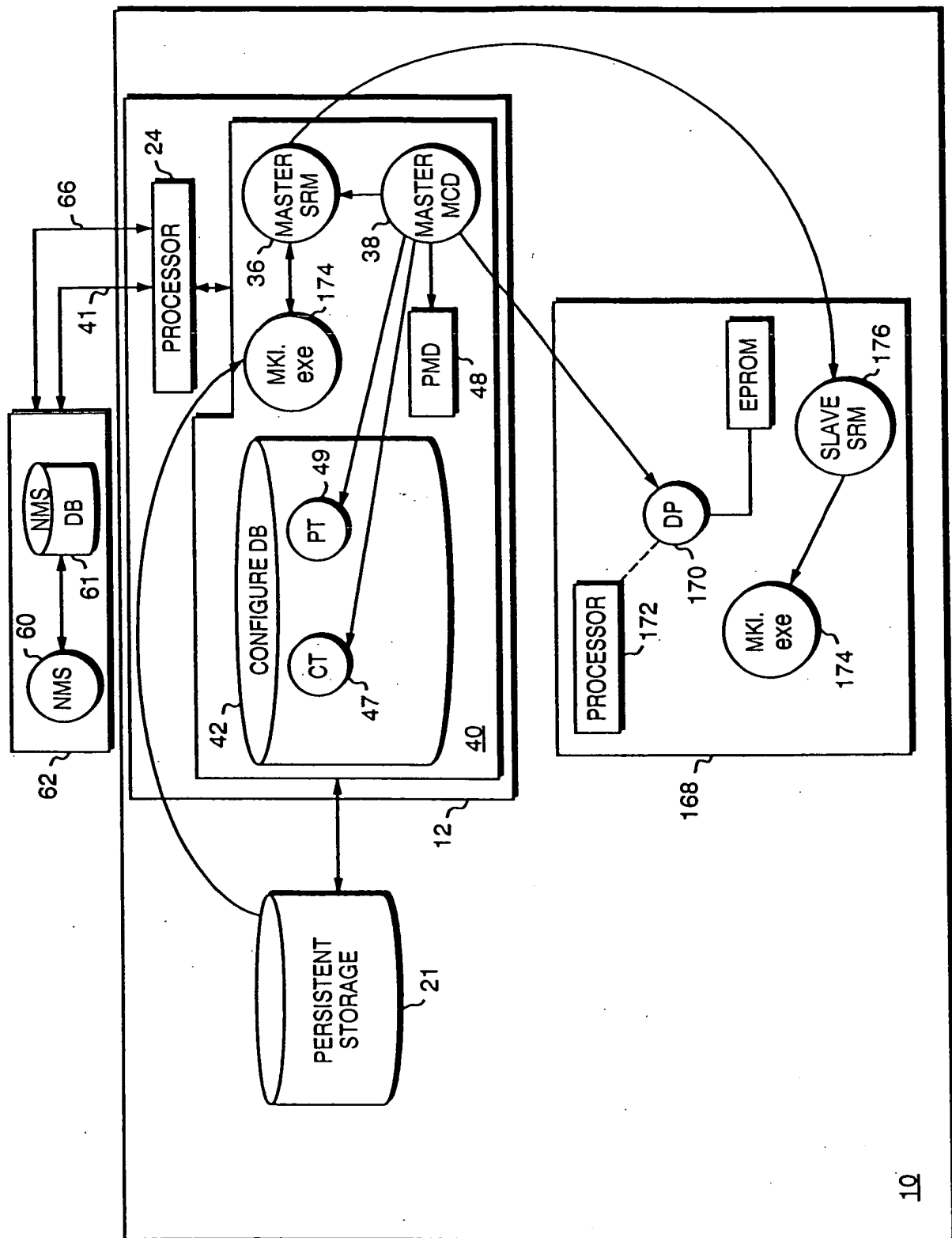


FIG. 18

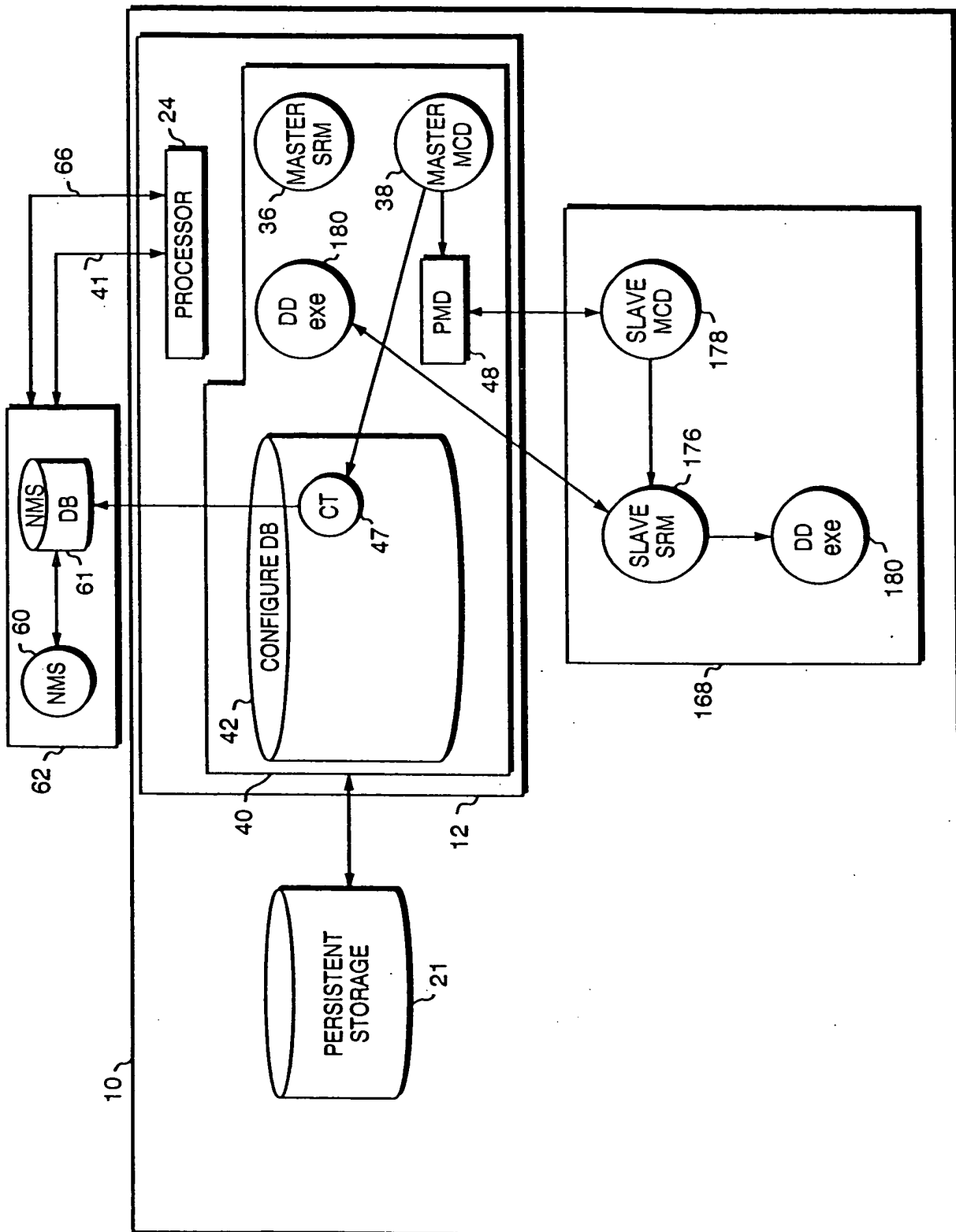


FIG. 19

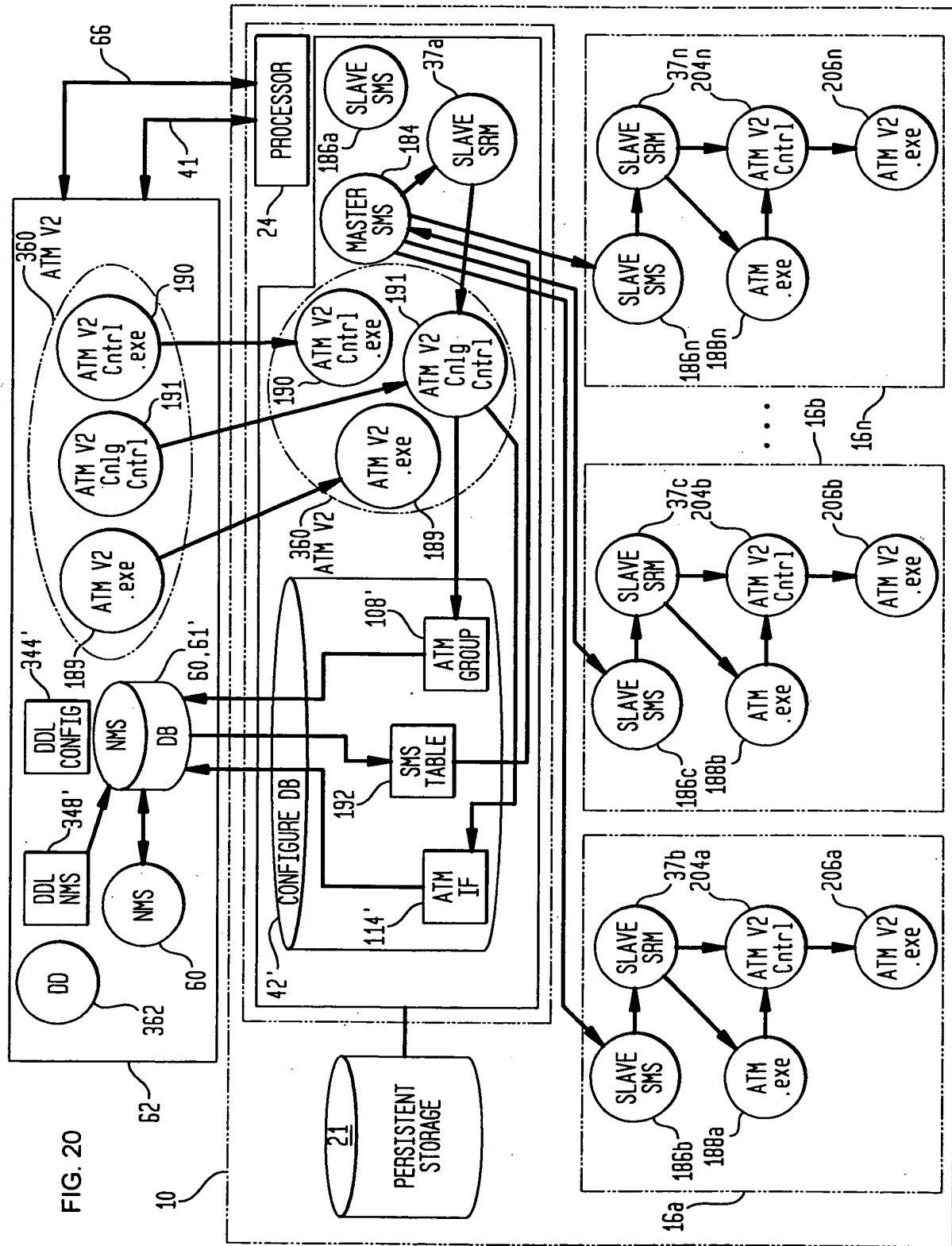


FIG. 21

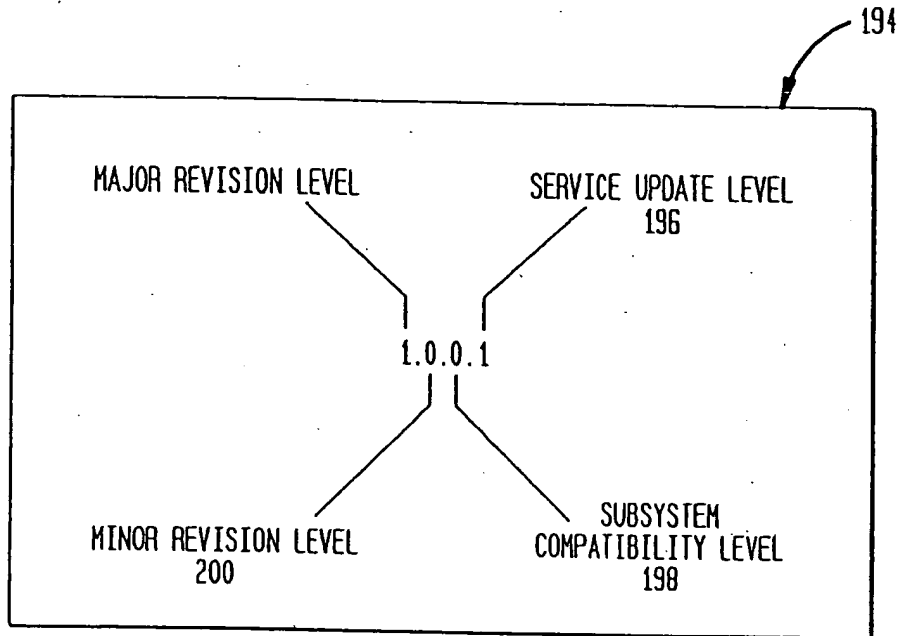


FIG. 22

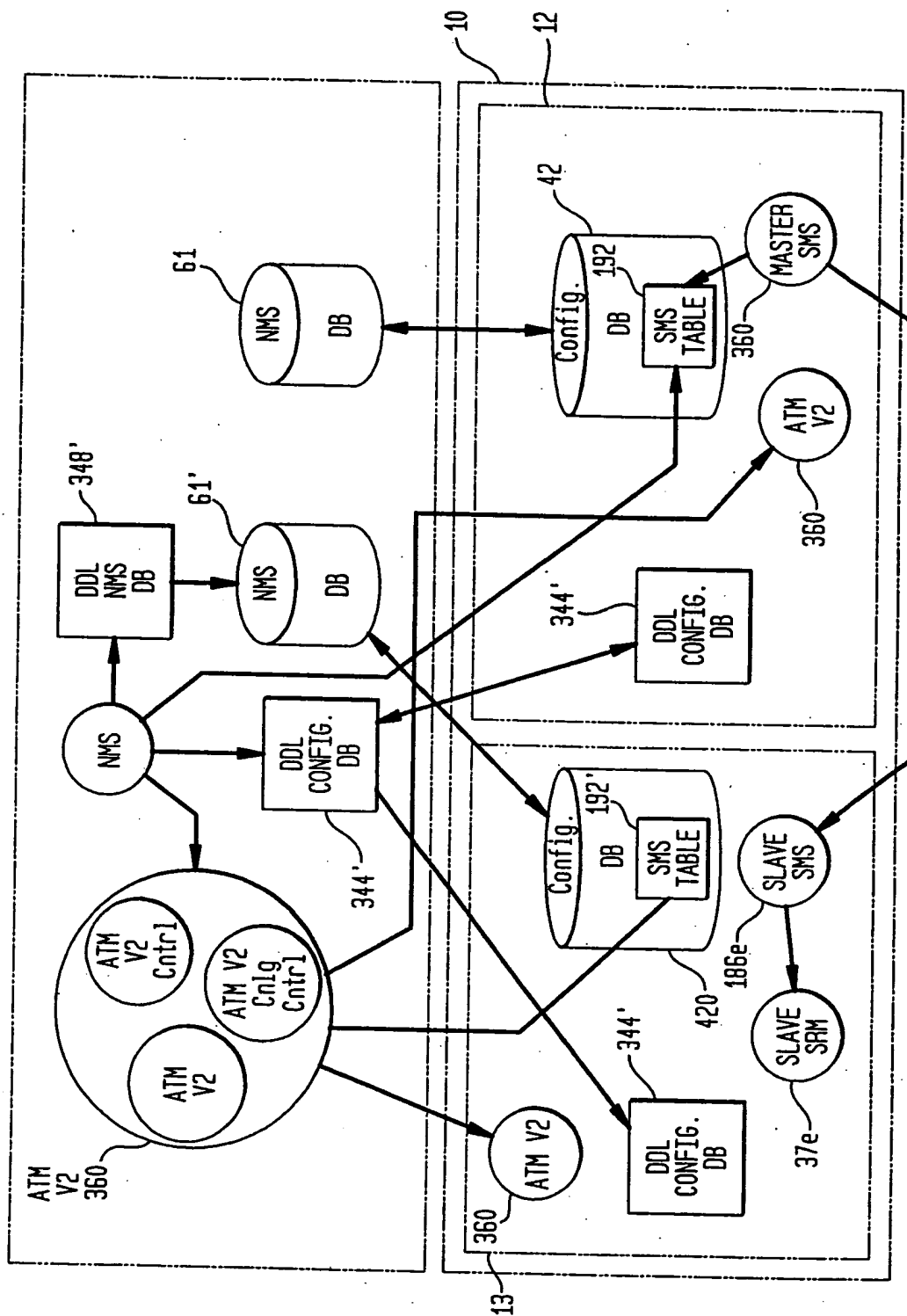
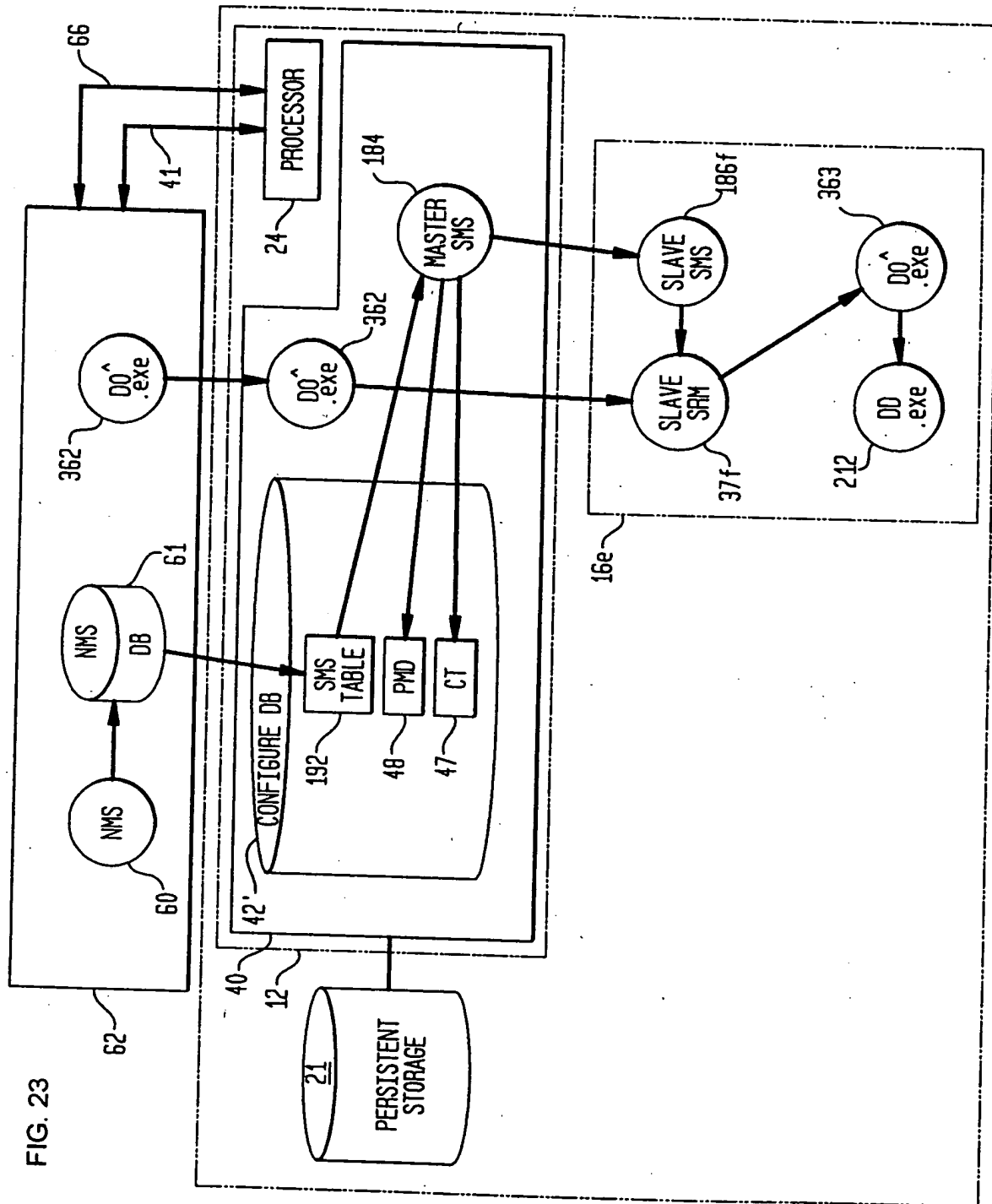


FIG. 23



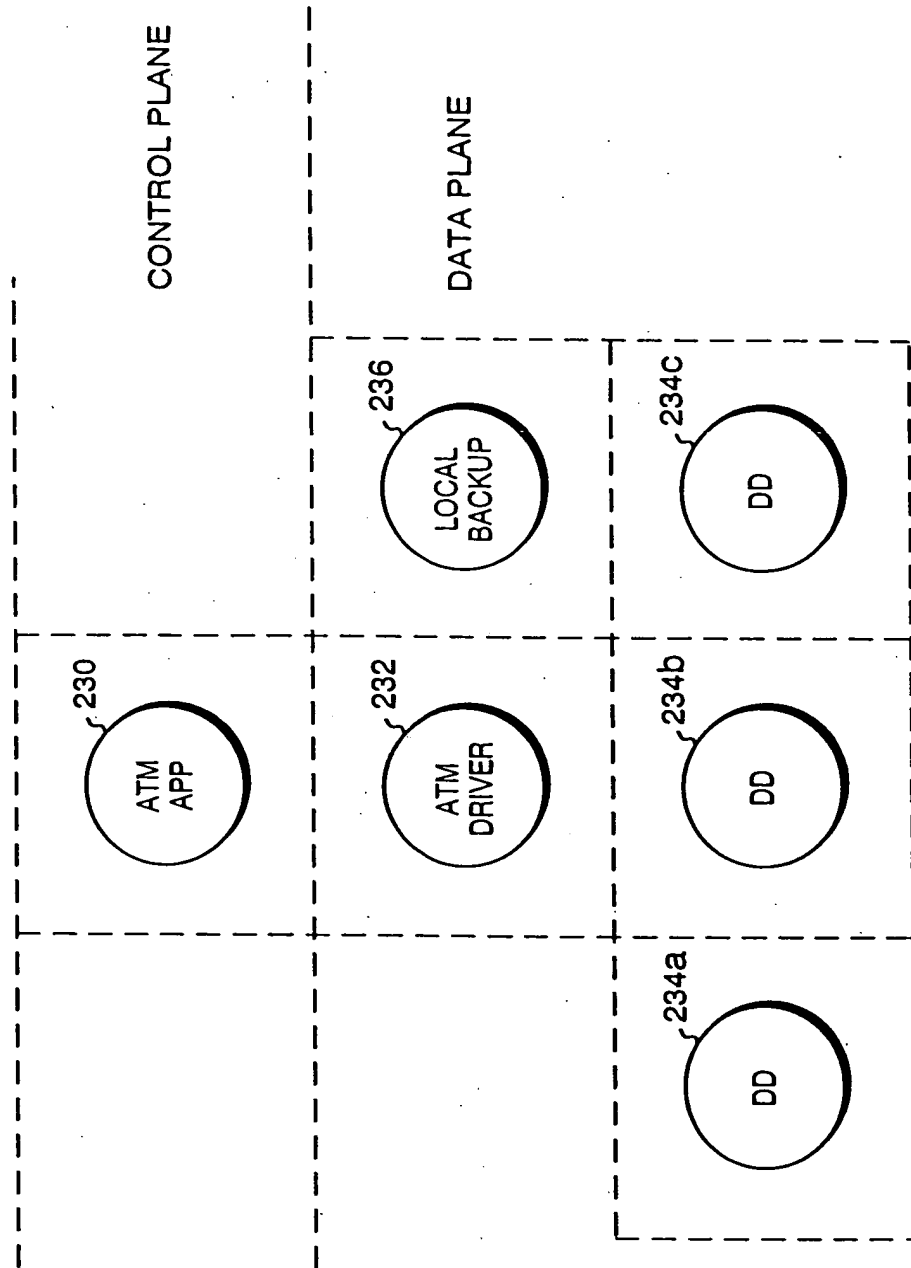


FIG. 24

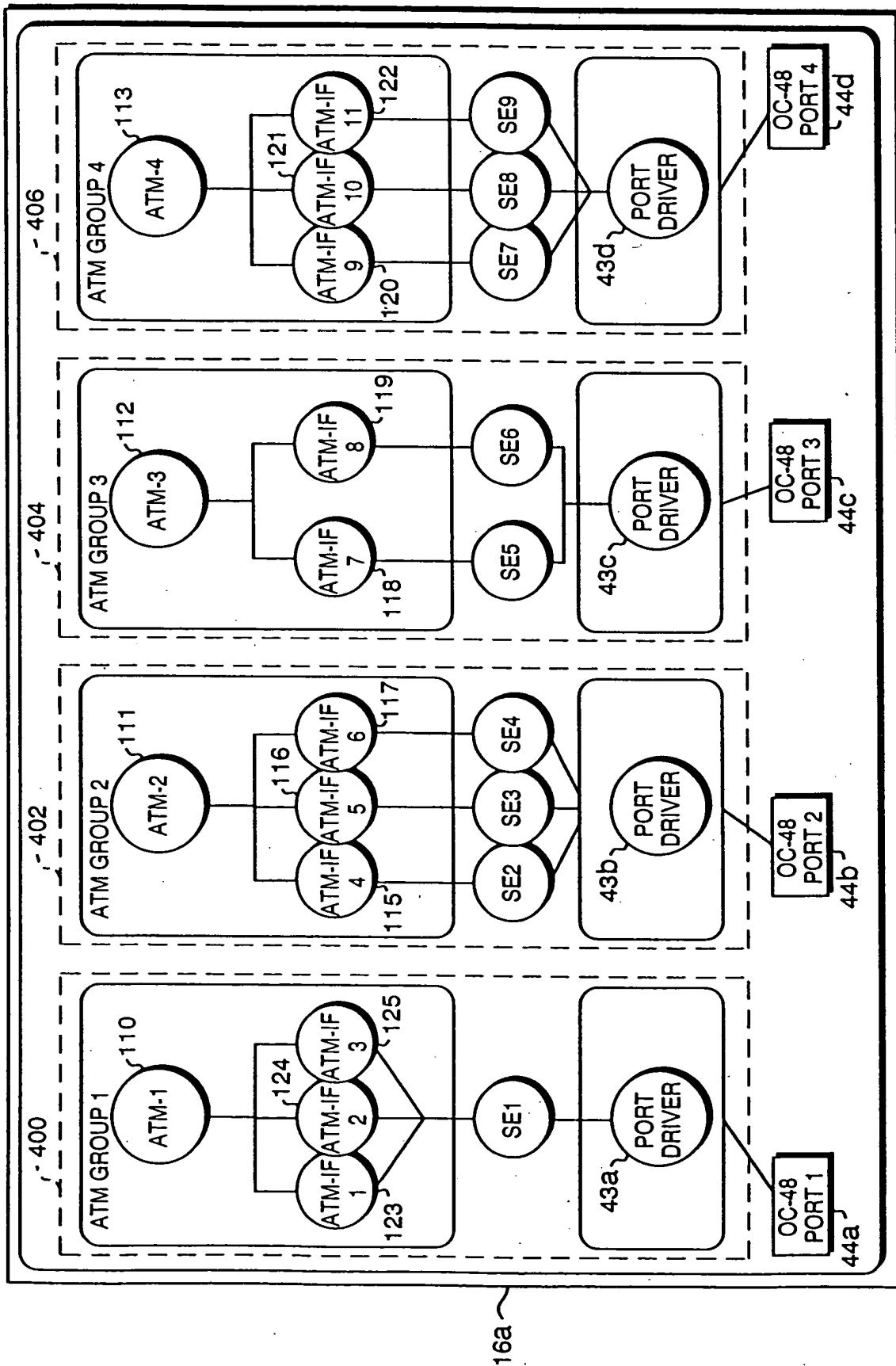


FIG. 25

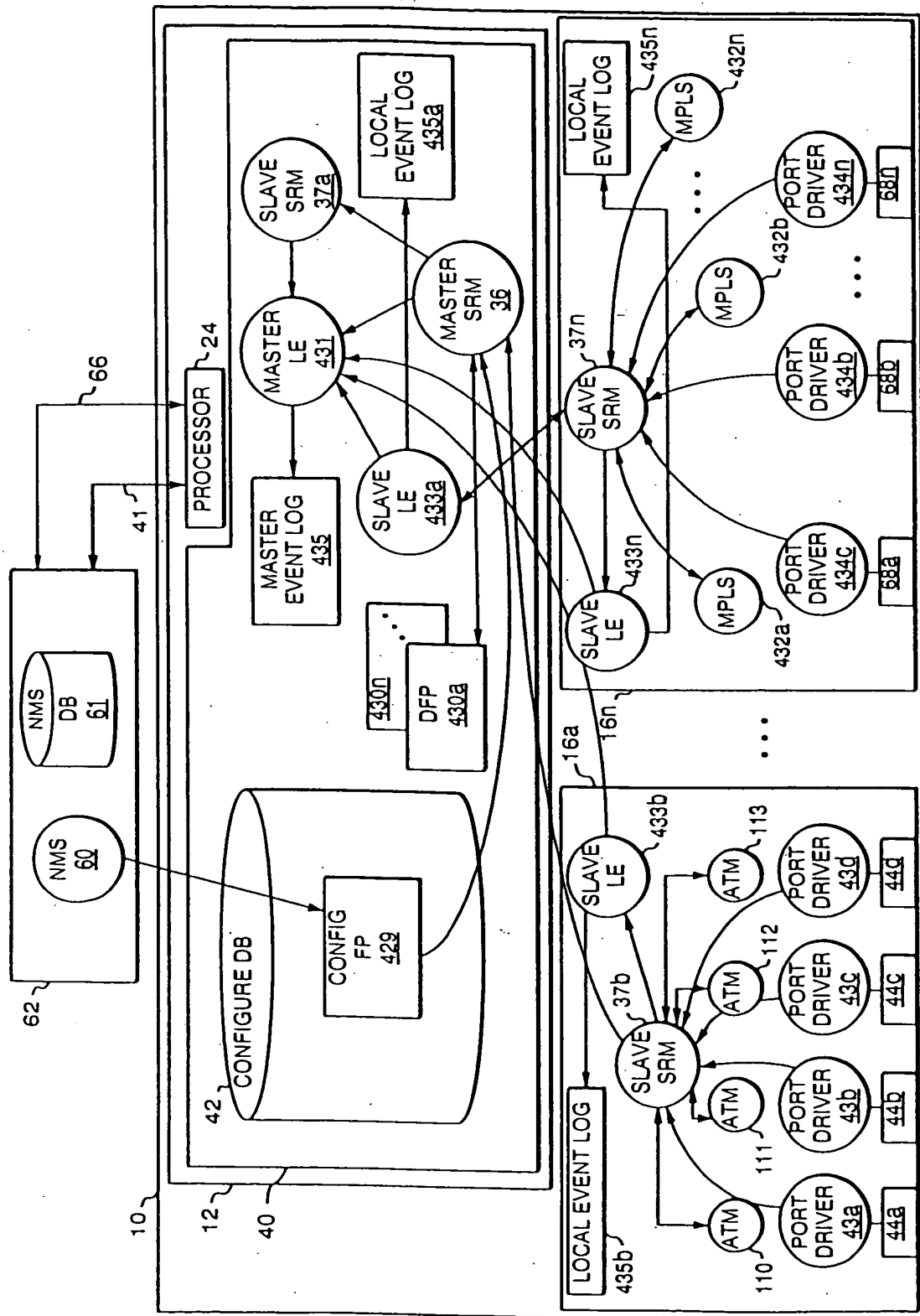


FIG. 26

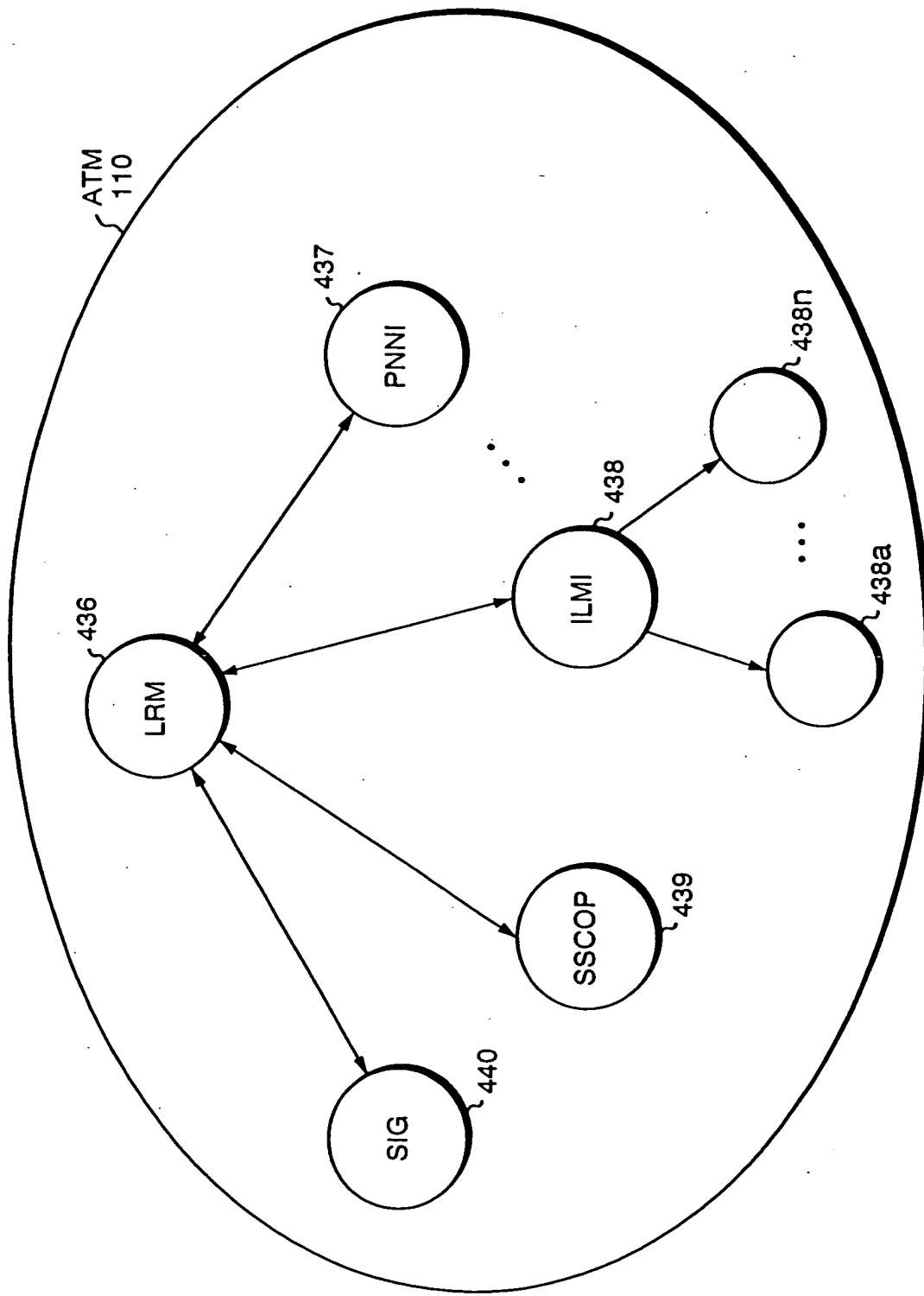


FIG. 27

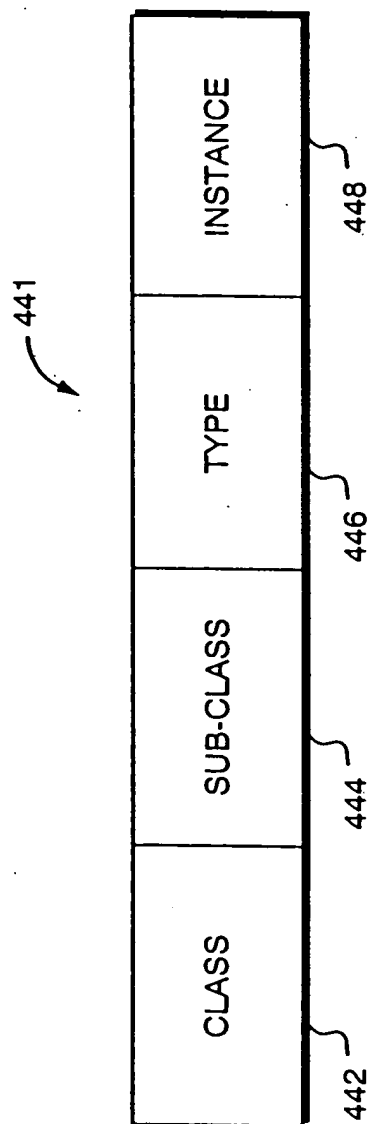


FIG. 28

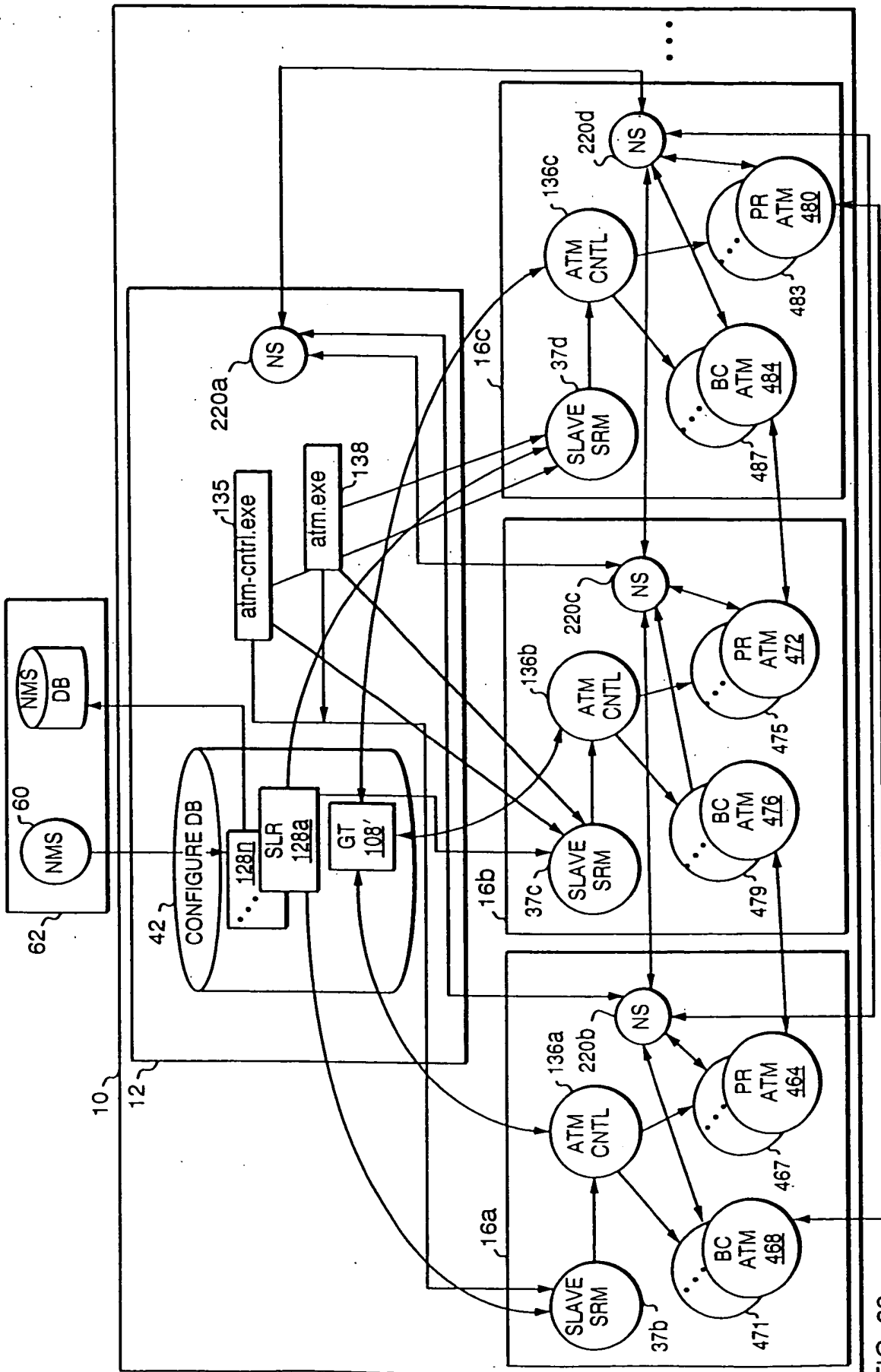


FIG. 29

GROUP TABLE 108'

		447	449	
	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	

FIG. 30

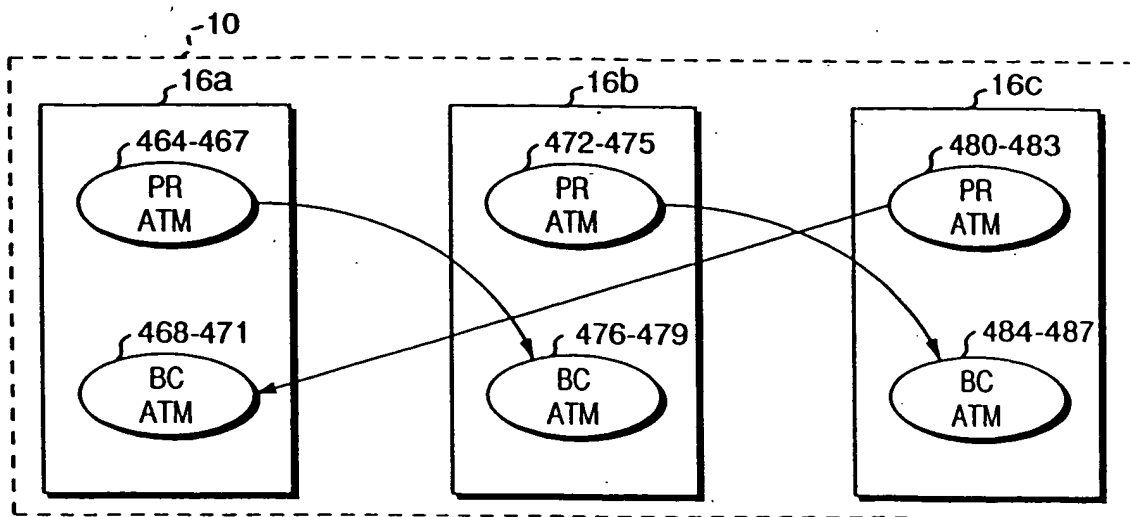


FIG. 31A

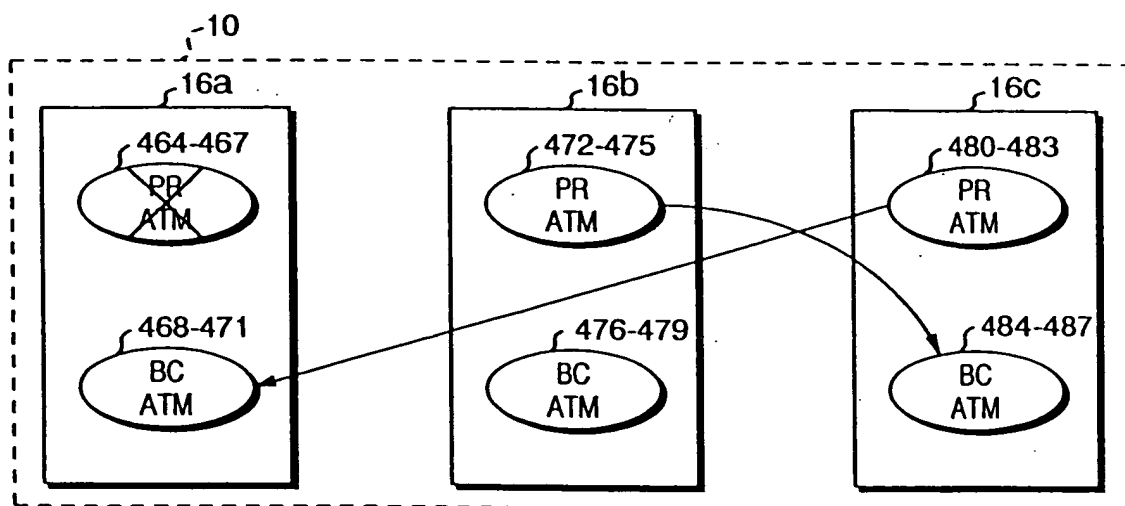


FIG. 31B

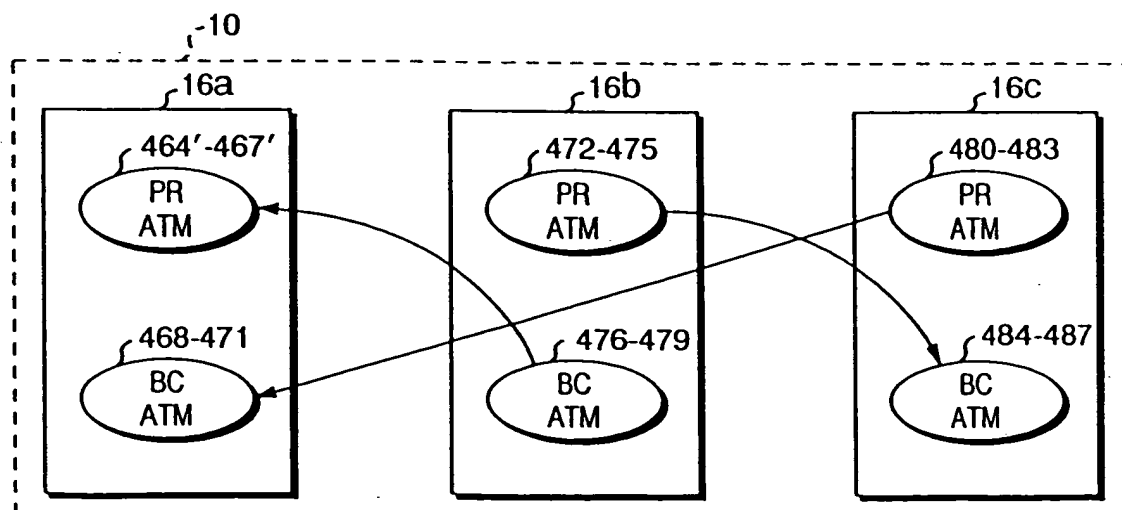


FIG. 31C

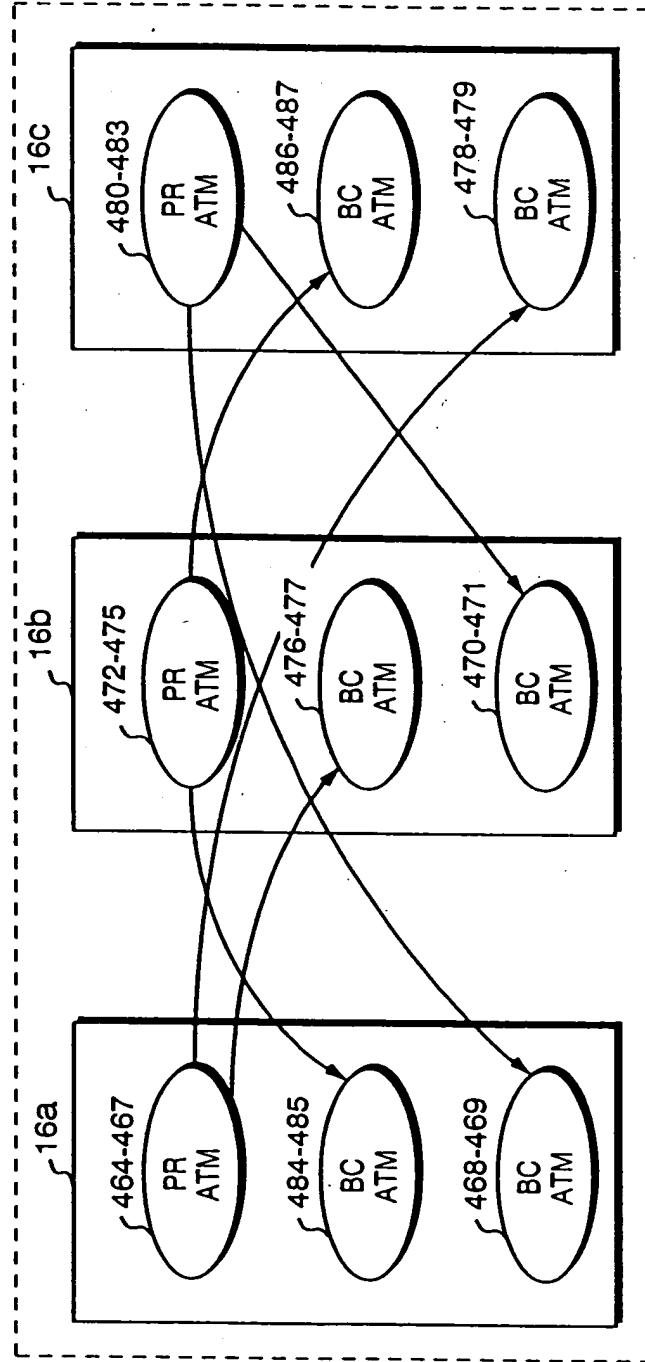


FIG. 32A

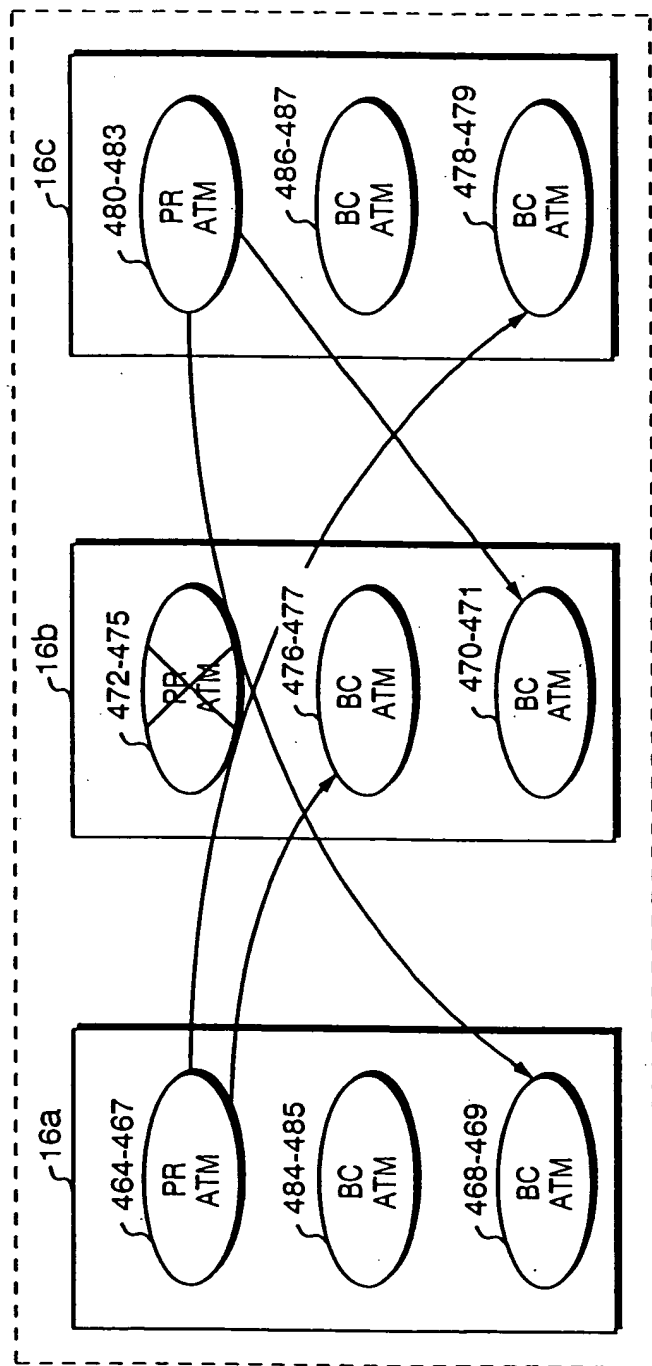


FIG. 32B

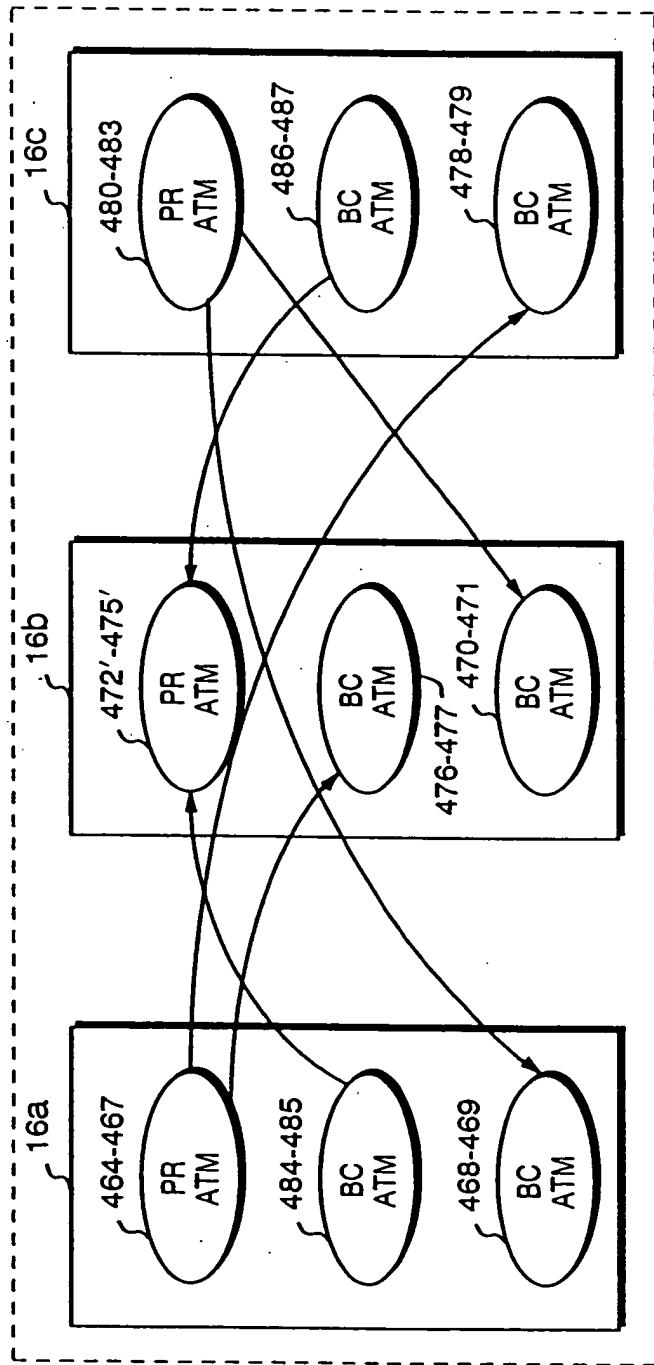


FIG. 32C

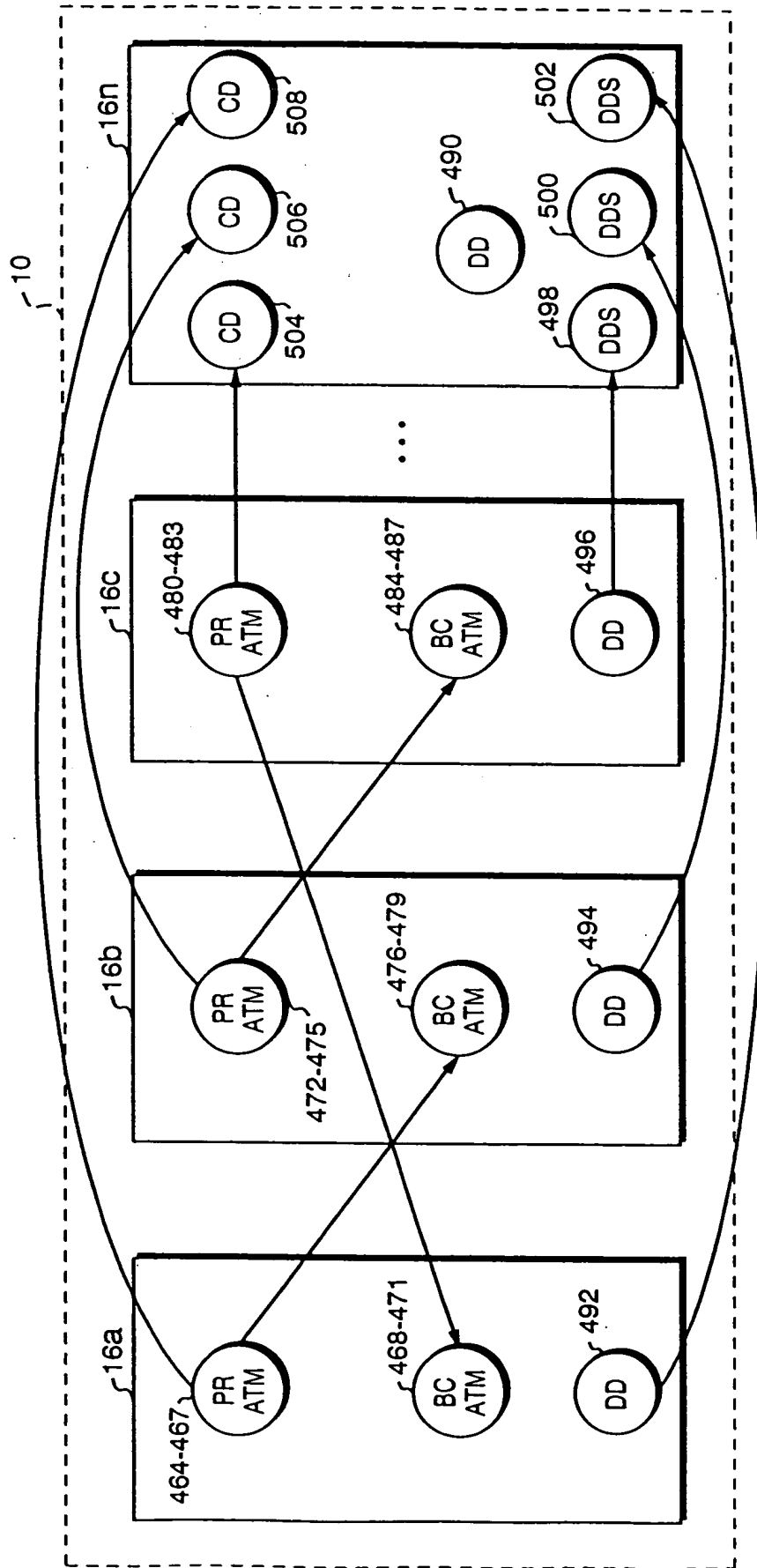


FIG. 33A

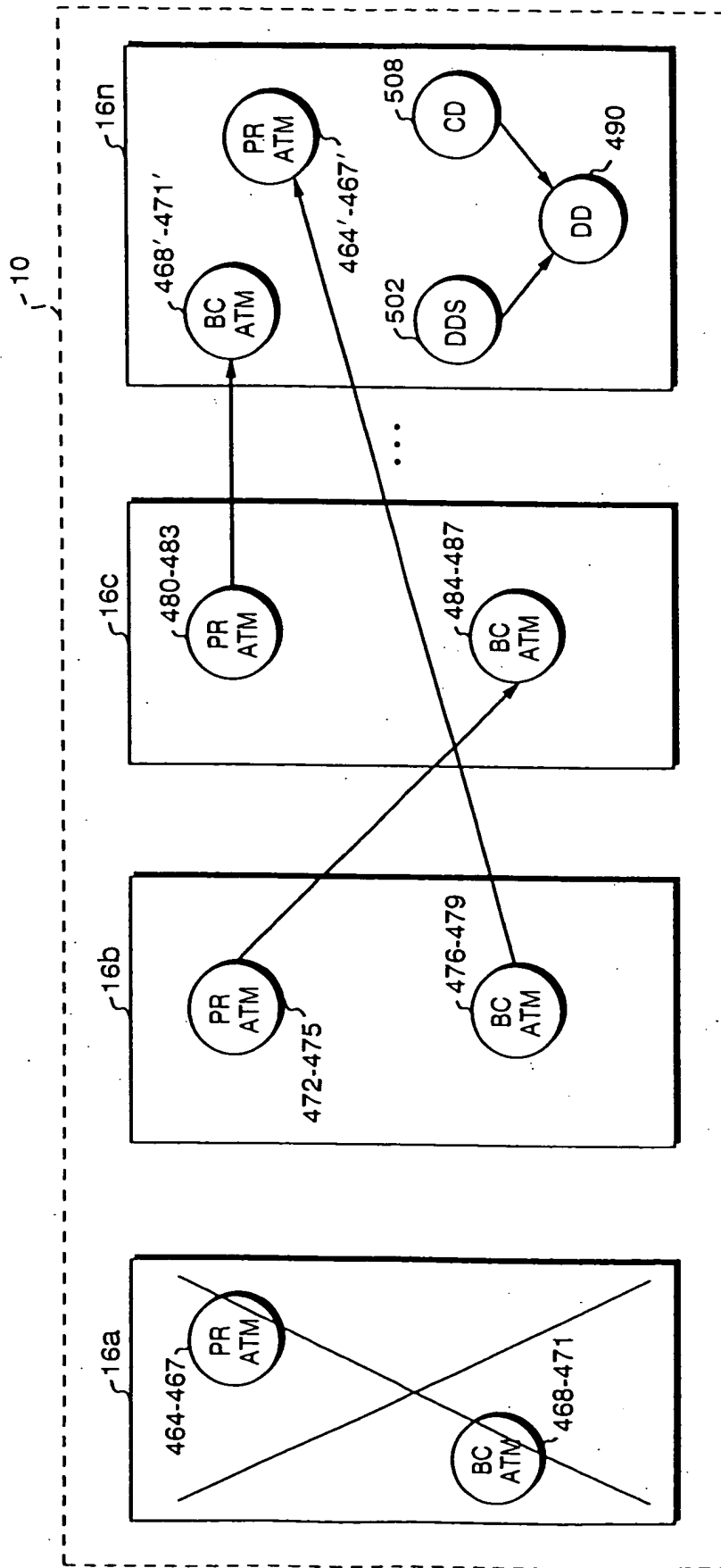


FIG. 33B

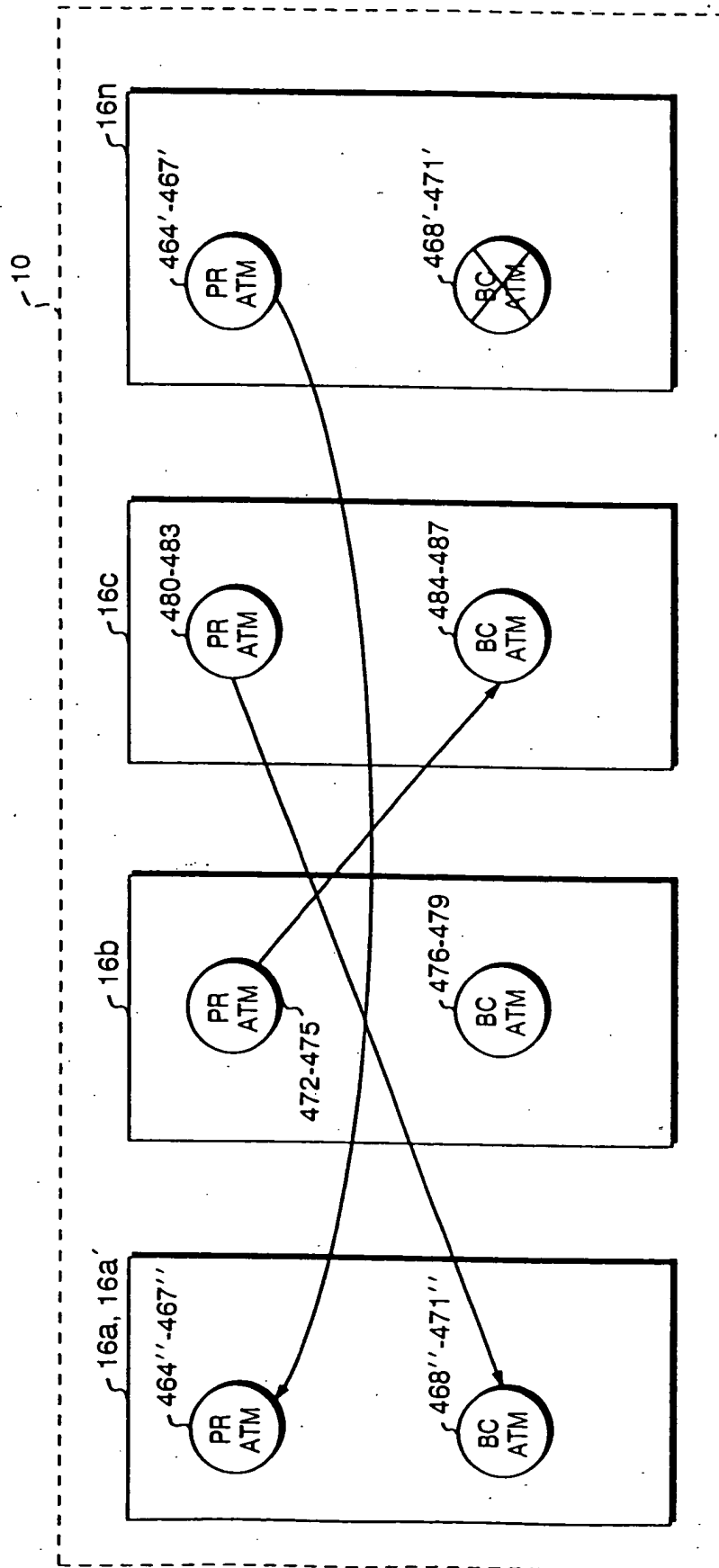


FIG. 33C

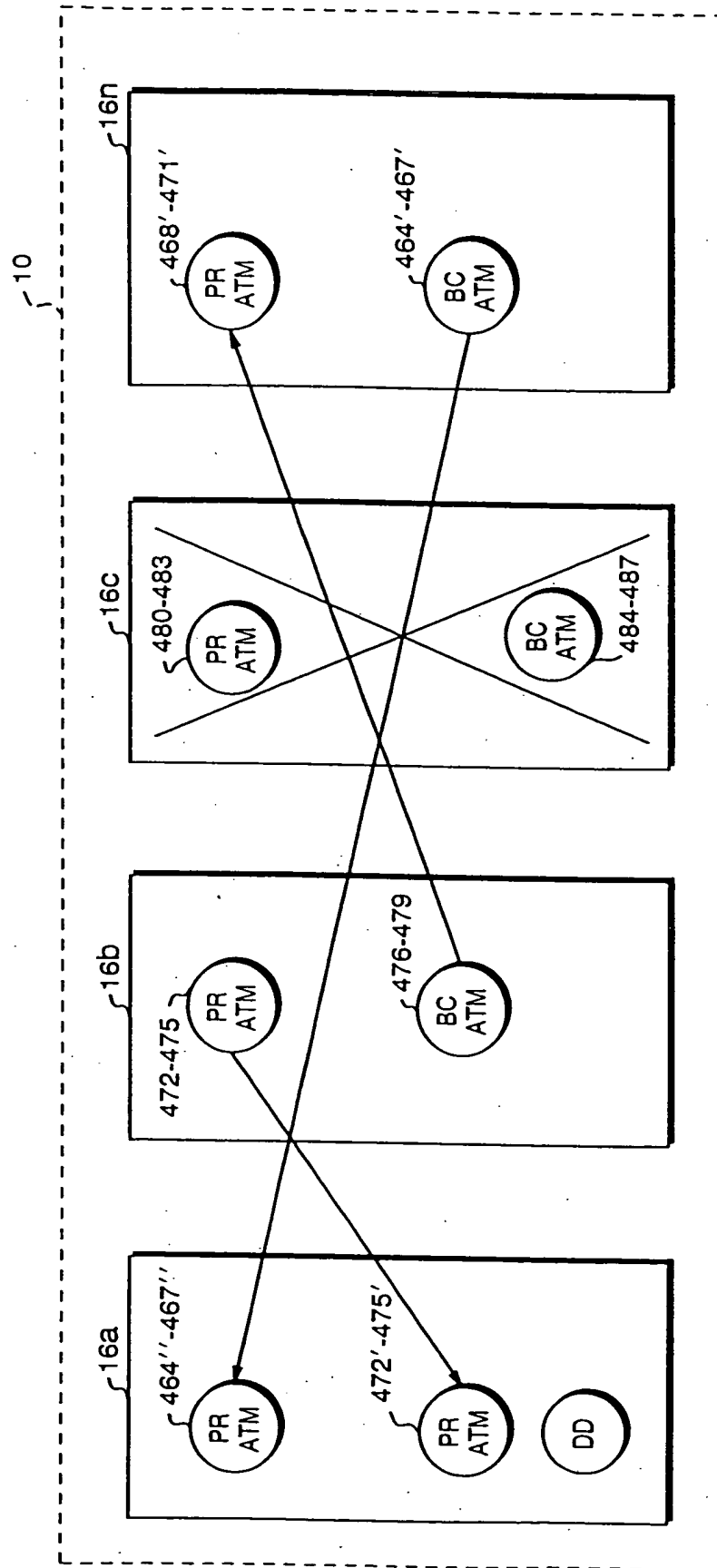


FIG. 33D

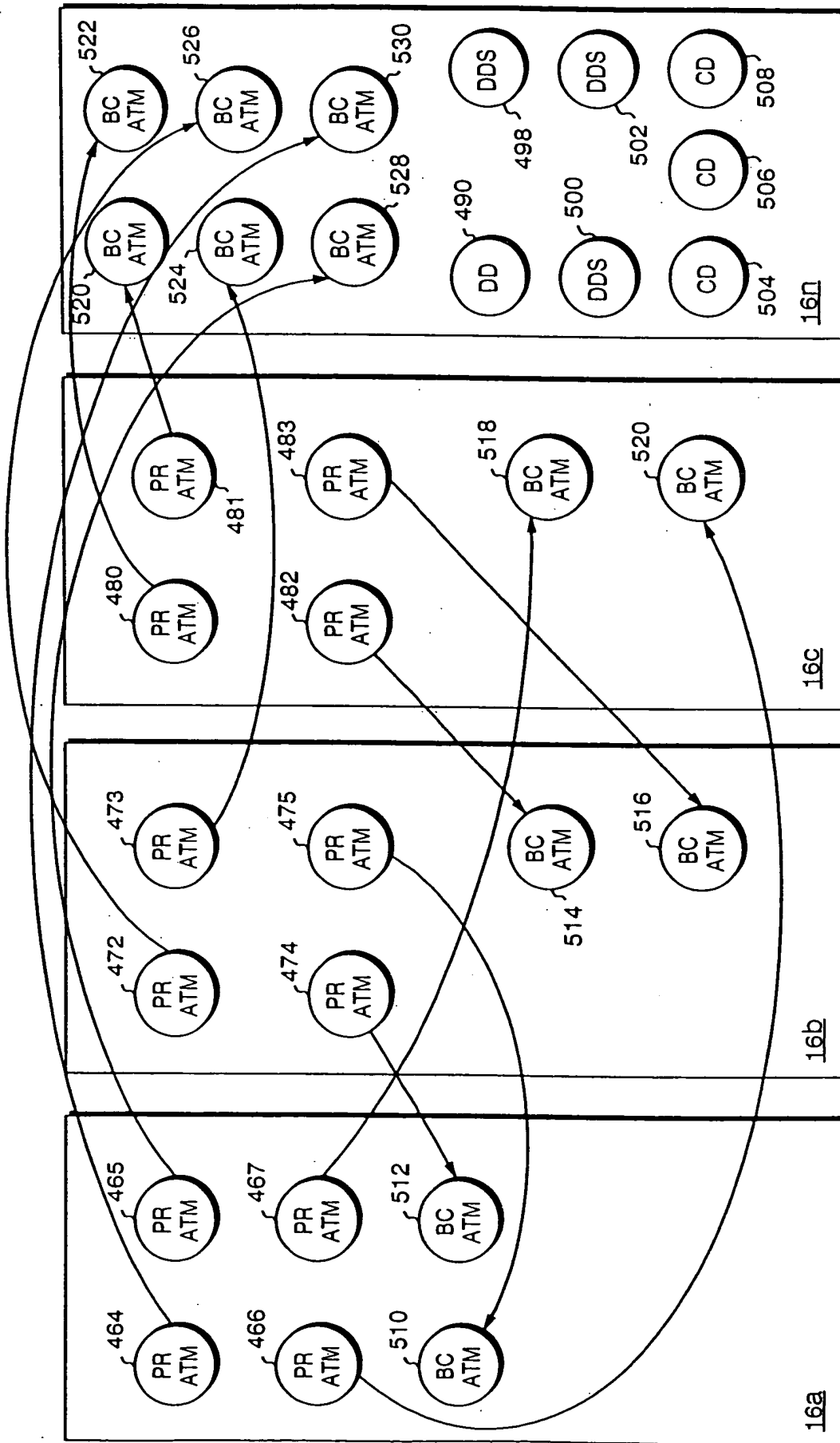


FIG. 34A

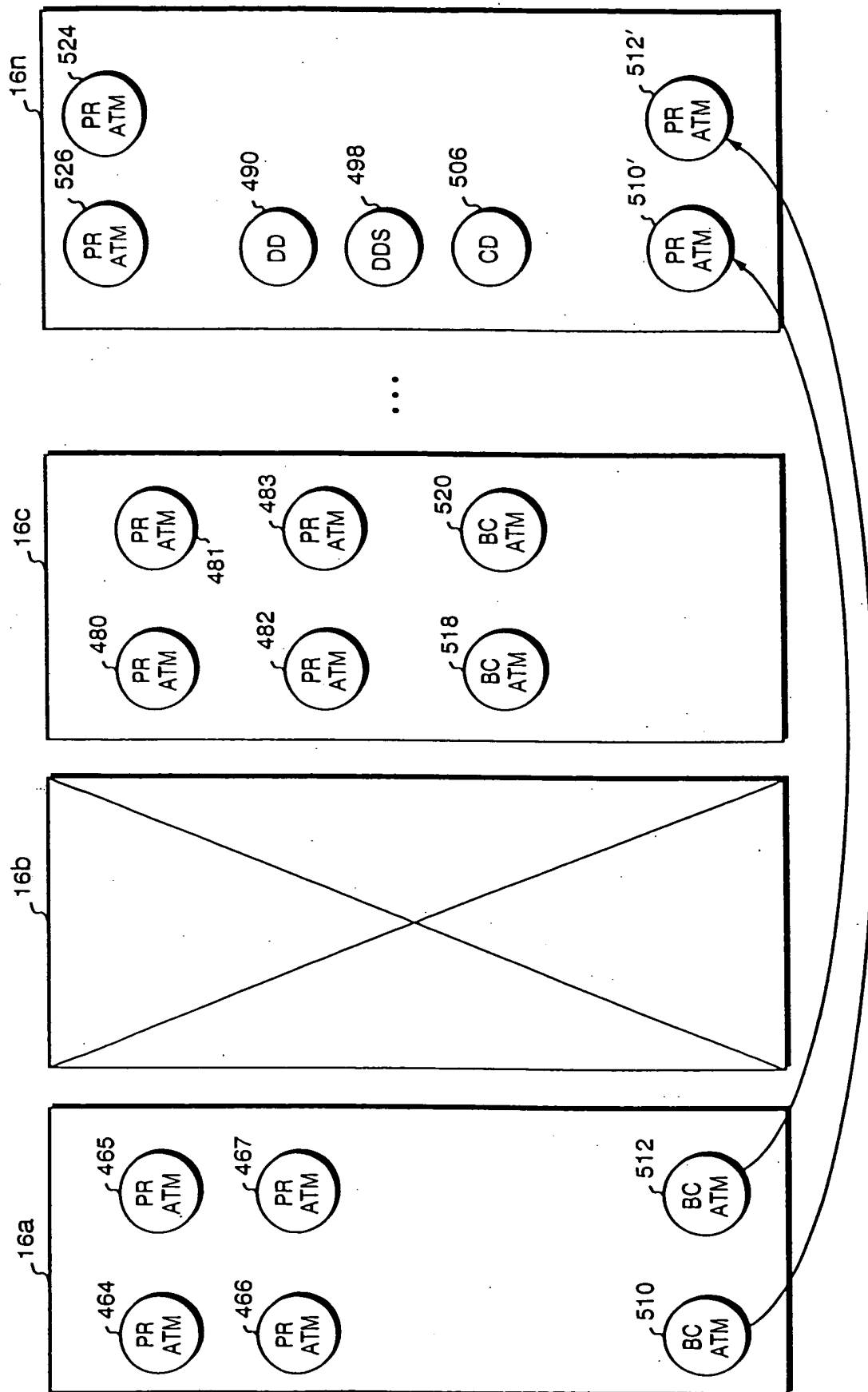


FIG. 34B

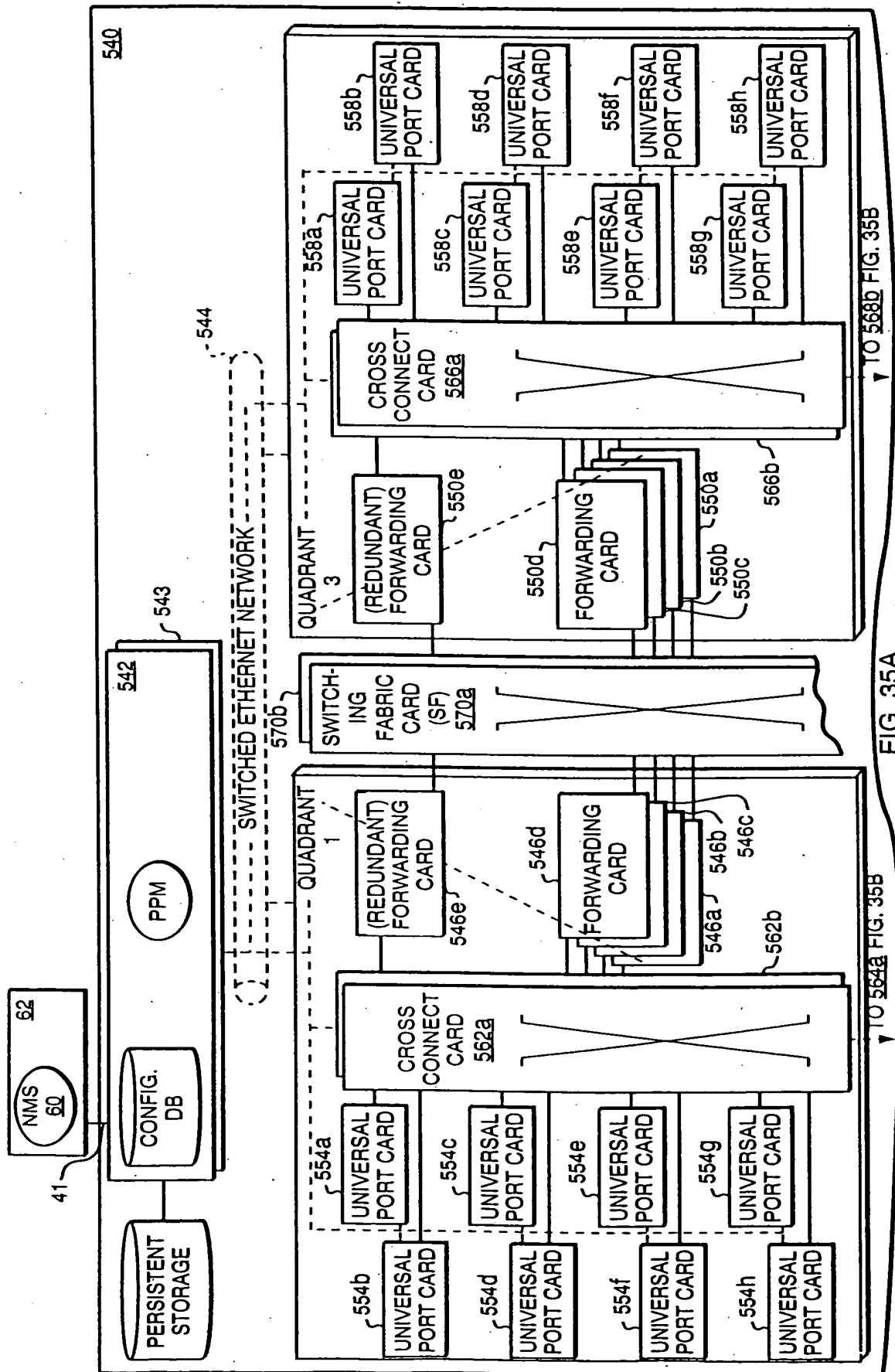


FIG. 35A

TO 564a FIG. 35B

TO 568b FIG. 35B

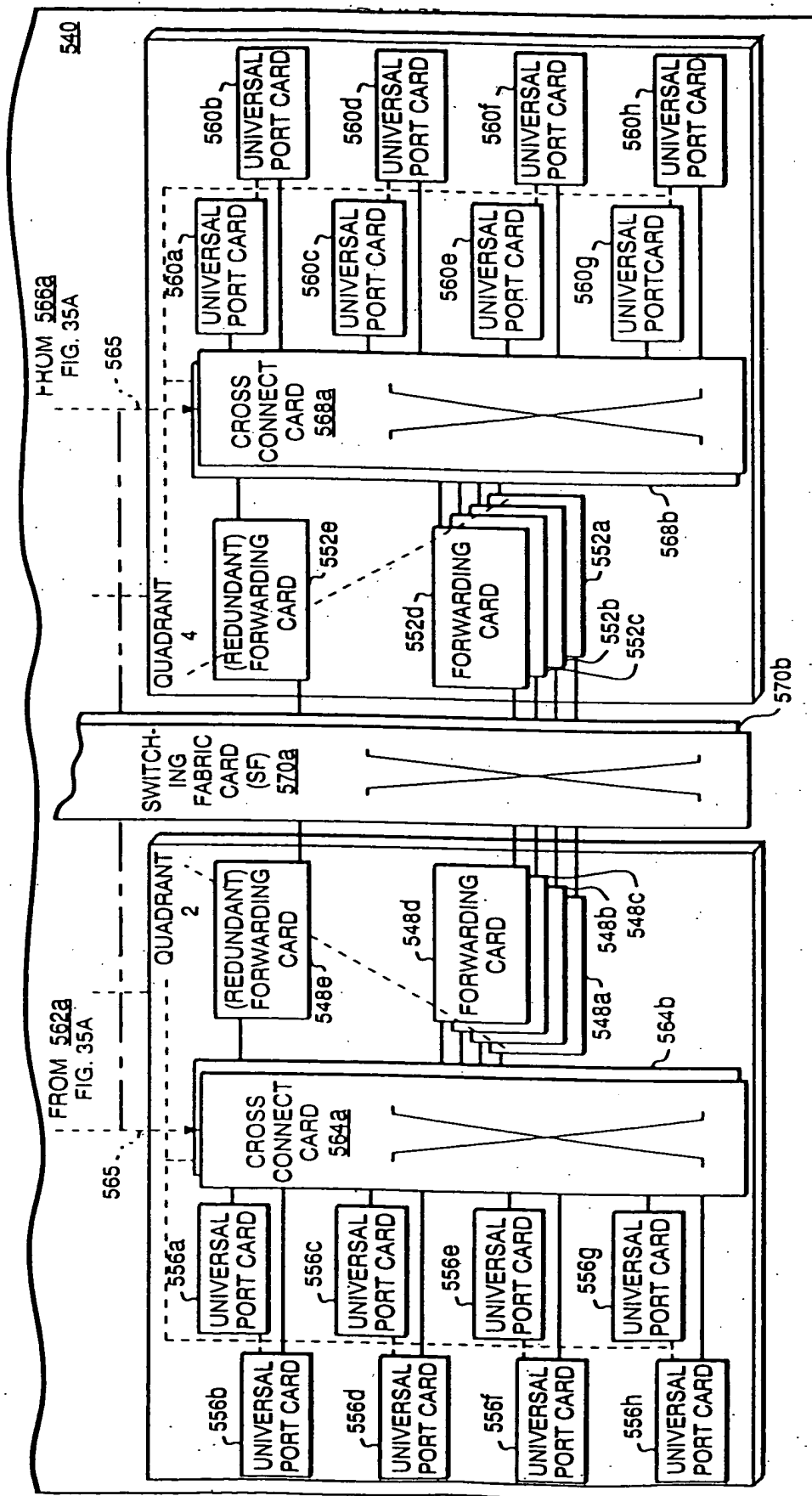


FIG. 35B

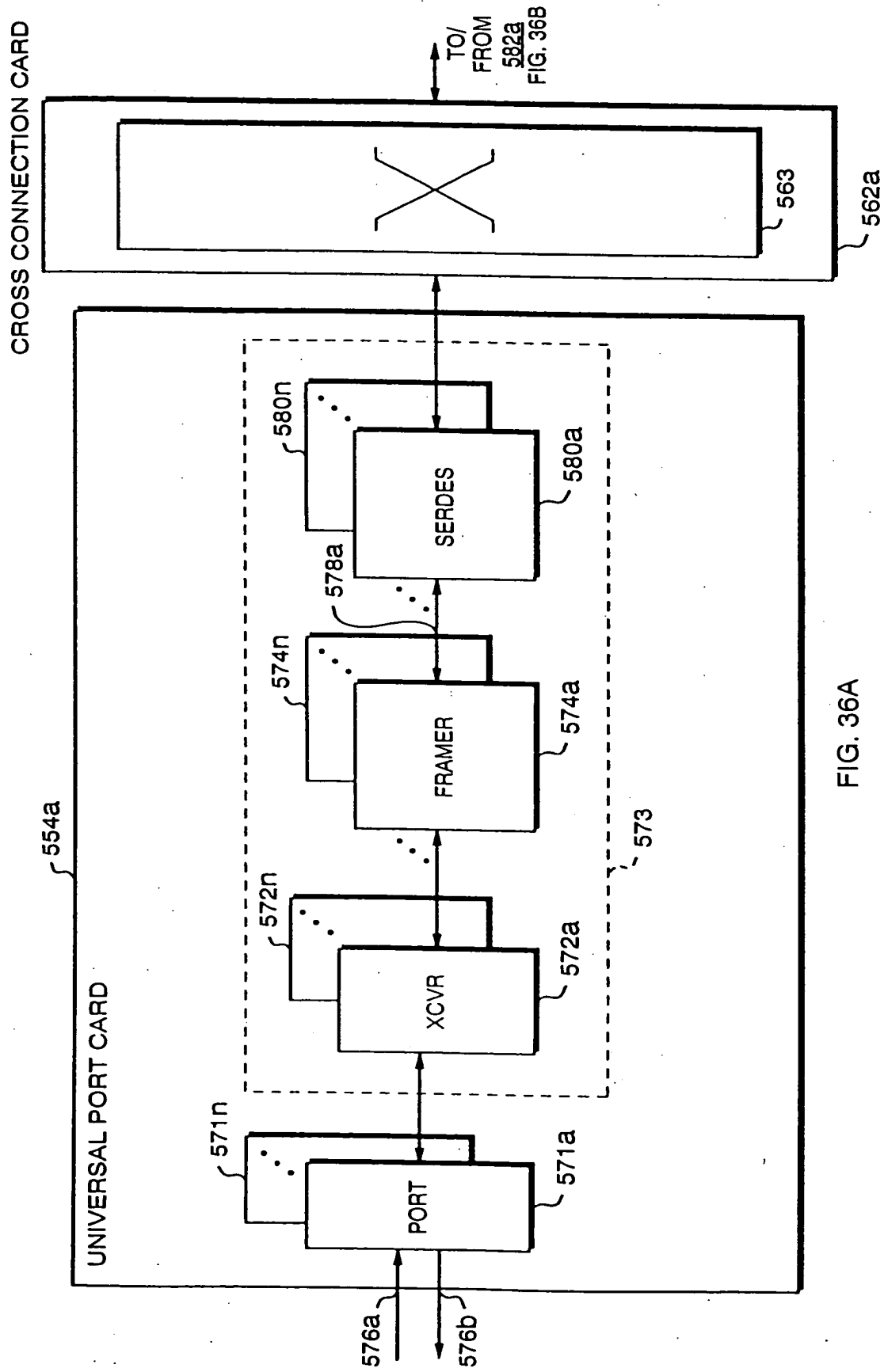


FIG. 36A

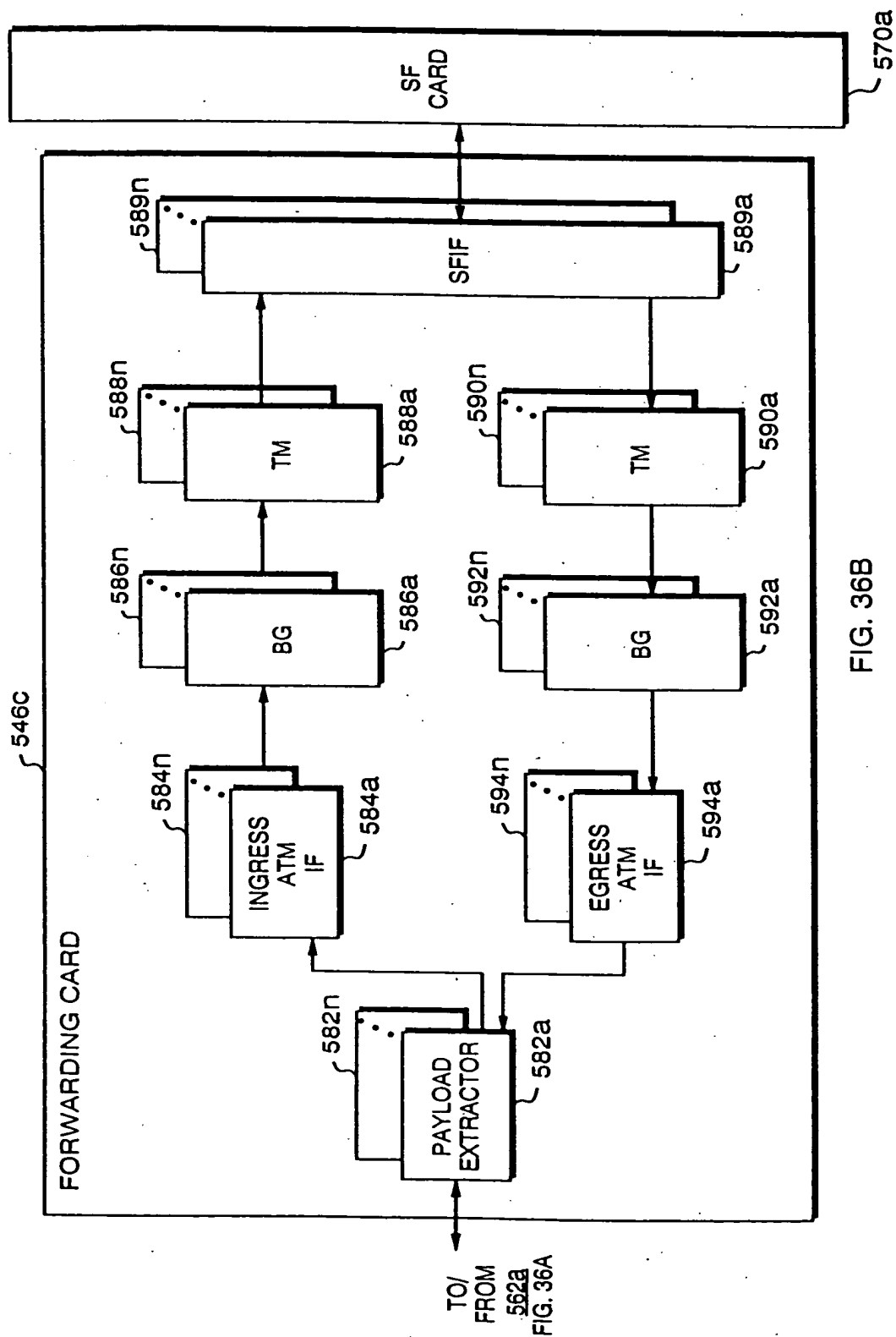


FIG. 36B

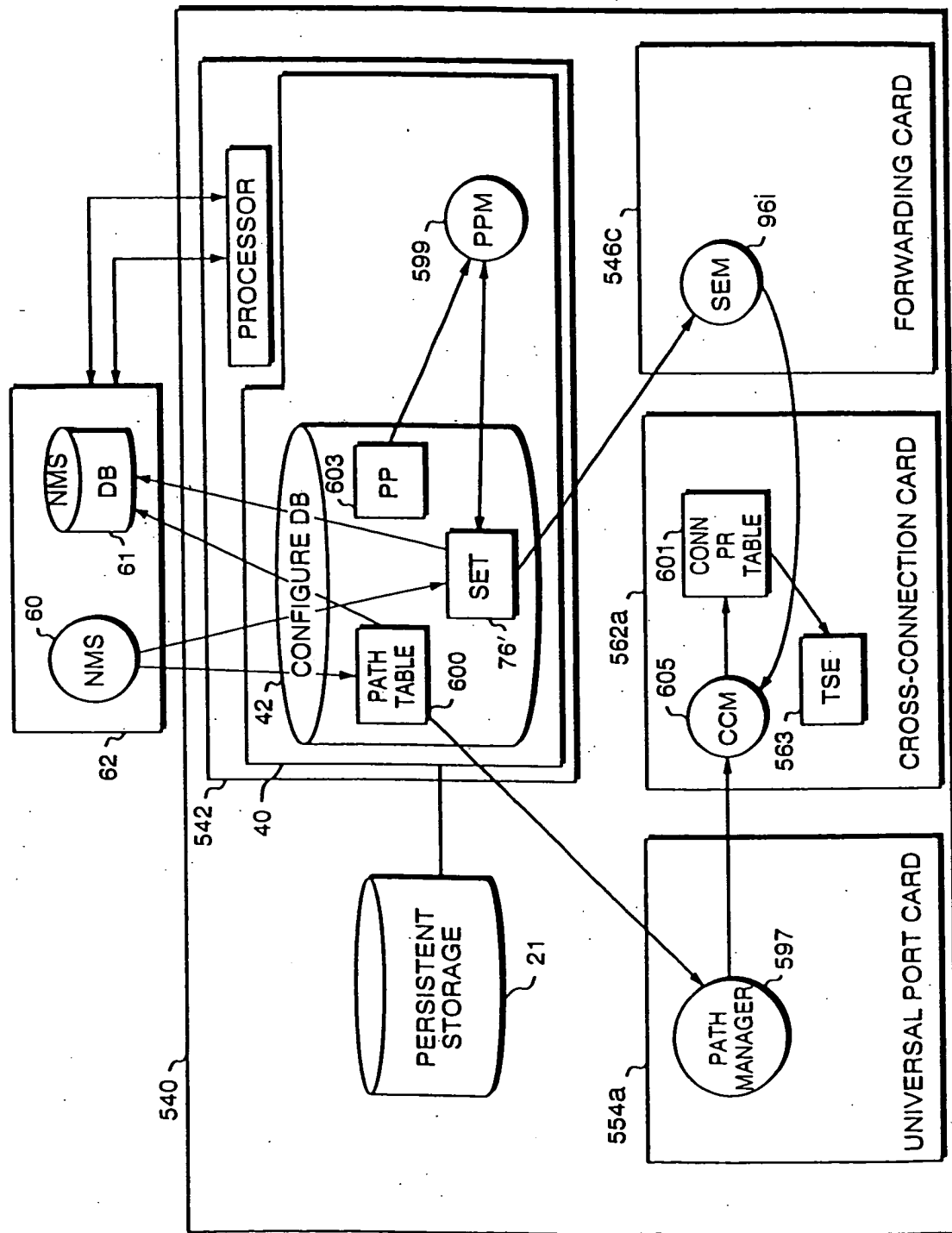


FIG. 37

PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38

SERVICE END POINT TABLE 76'

604	SE #	Q #	606 FC LID	608 FC SLICE	610 FC TIME SLOT	PATH PID	...
	878	1				1666	
	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 39

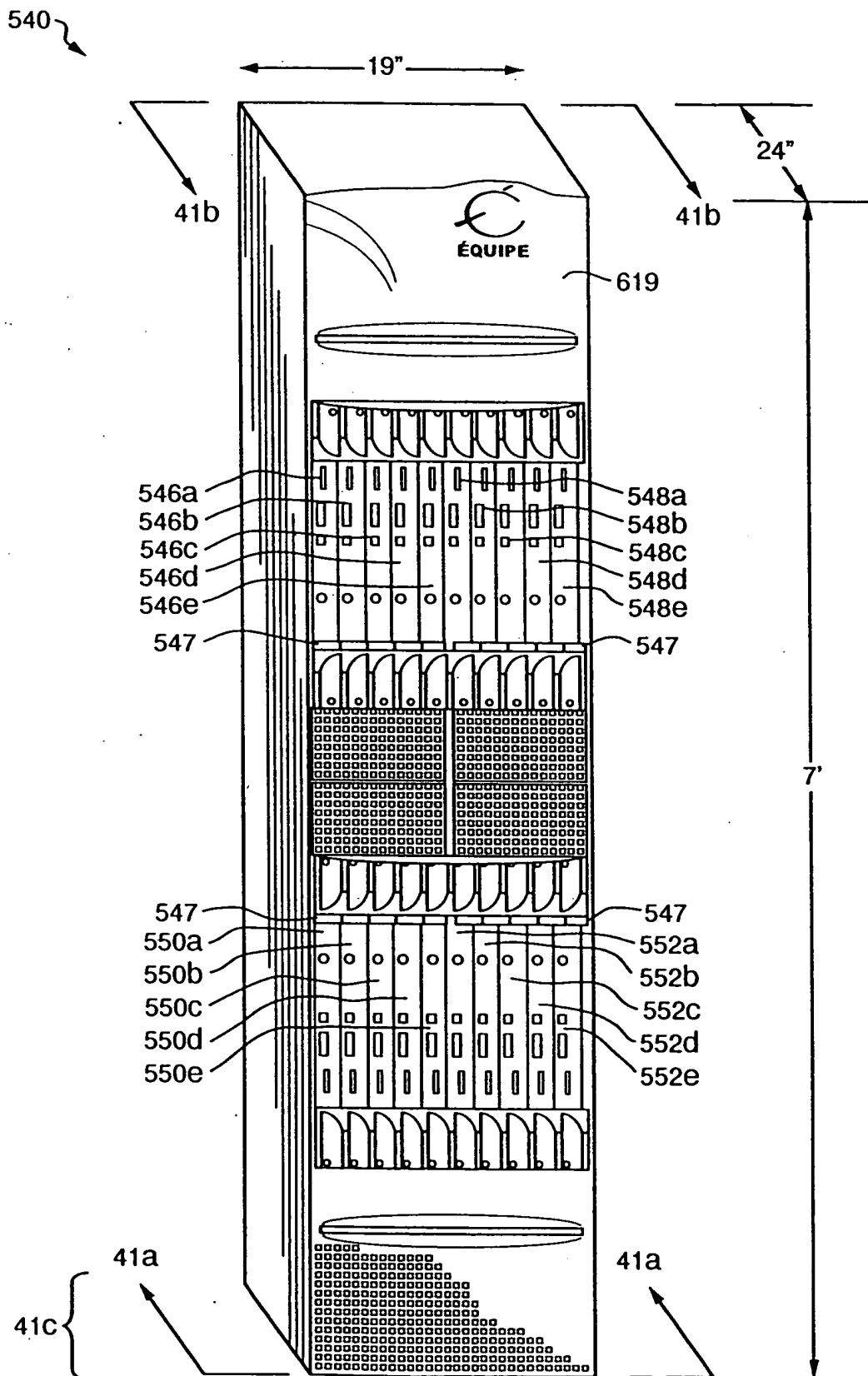


FIG. 40

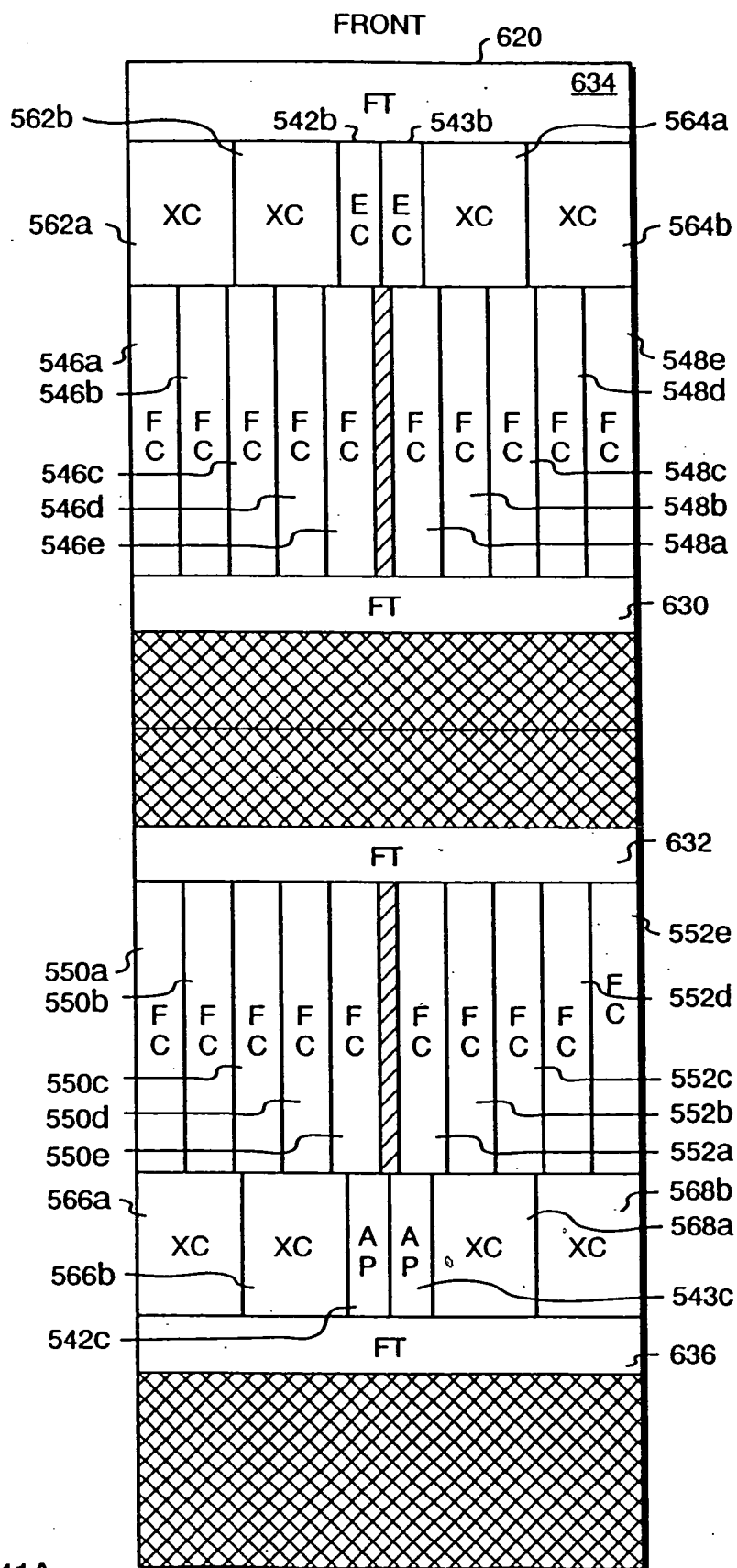


FIG. 41A

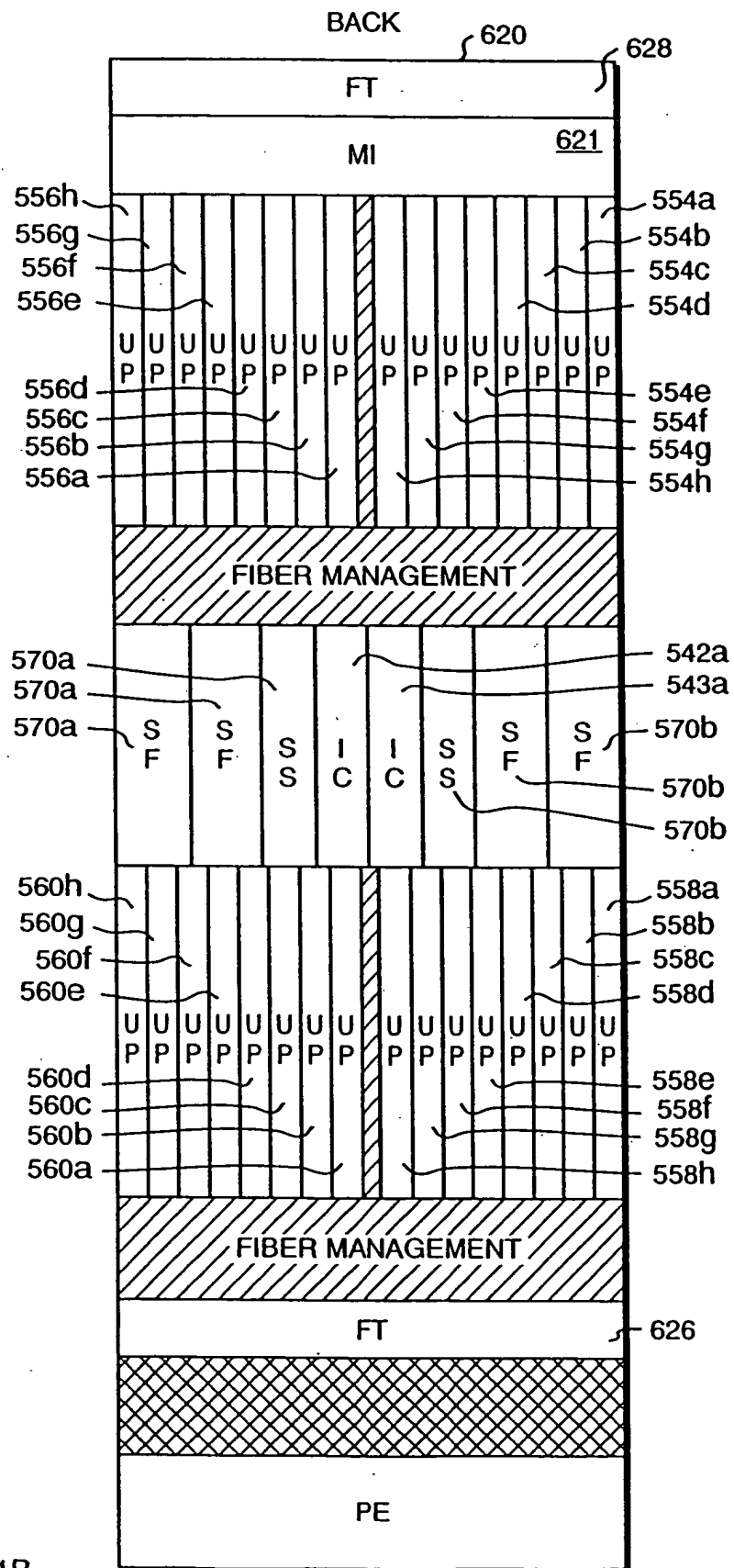


FIG. 41B

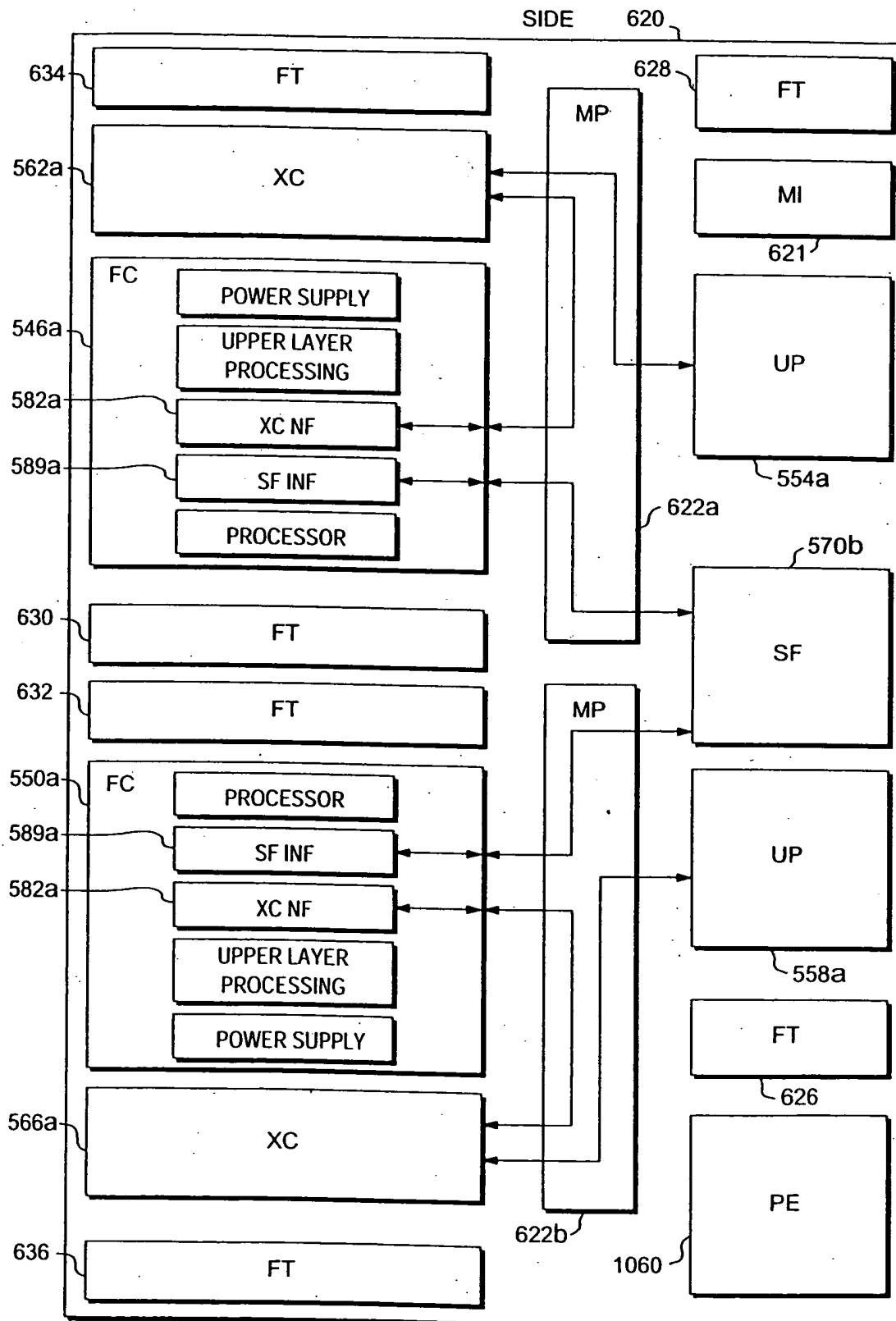


FIG. 41C

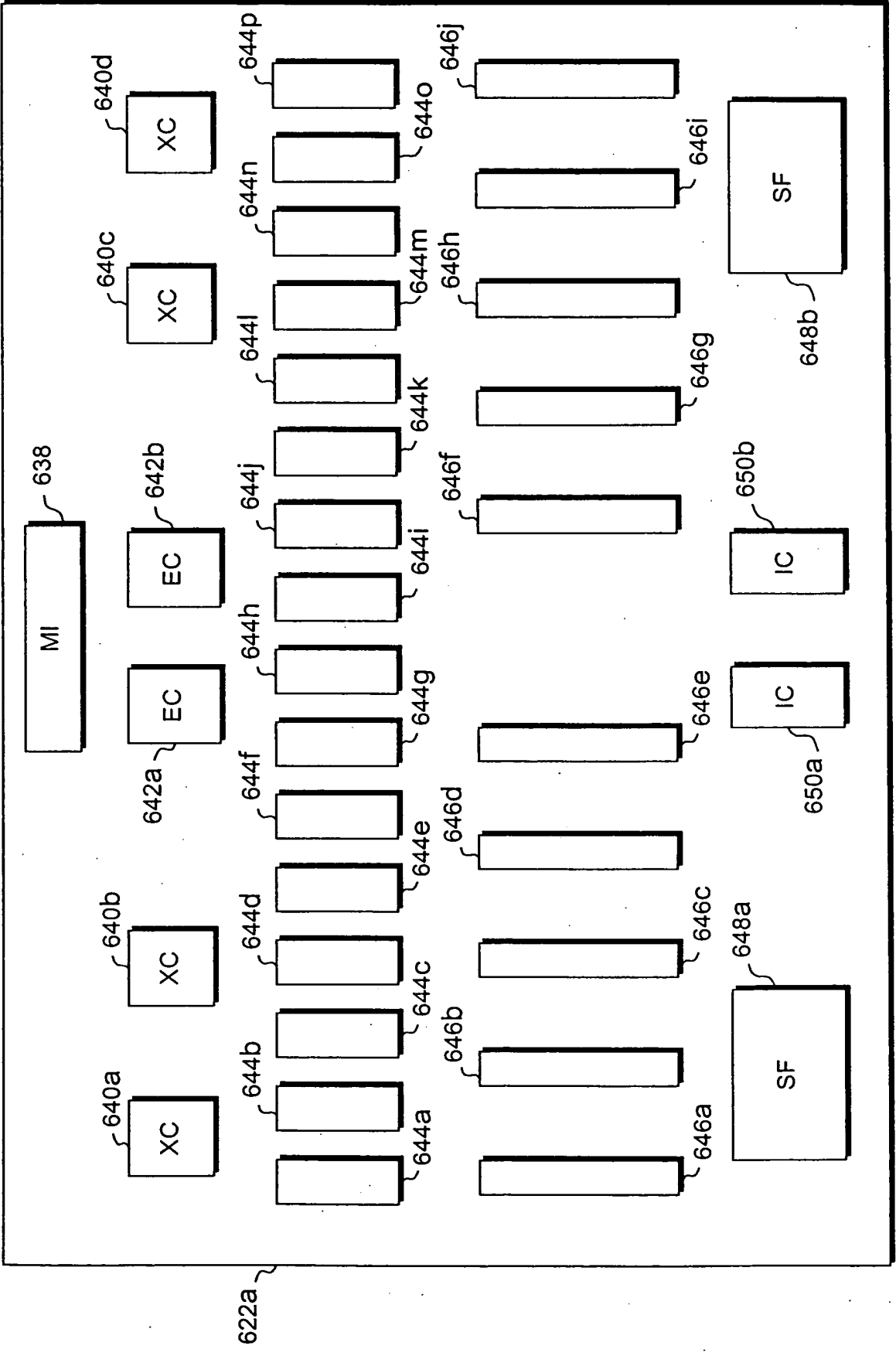


FIG. 42A

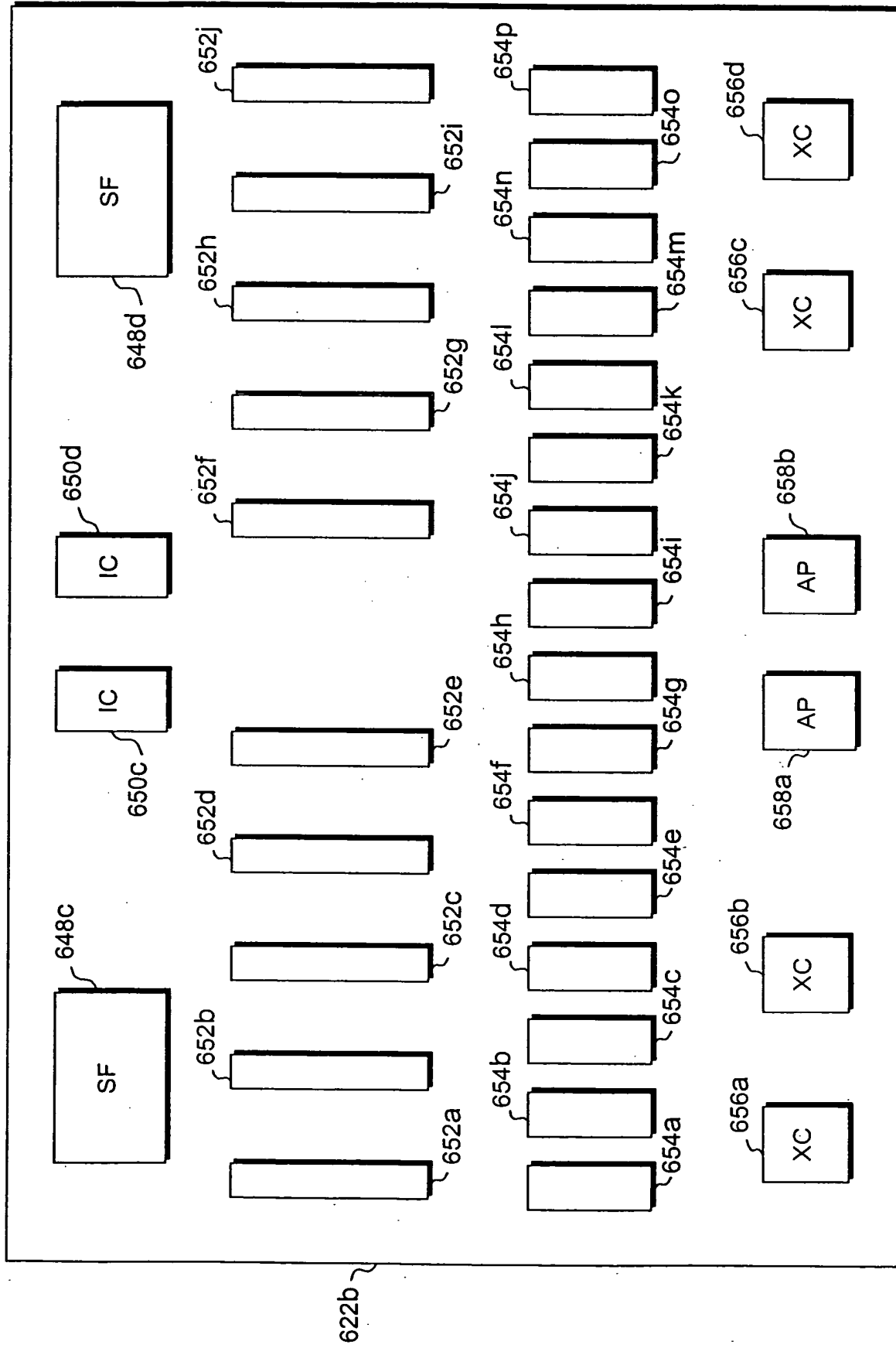


FIG. 42B

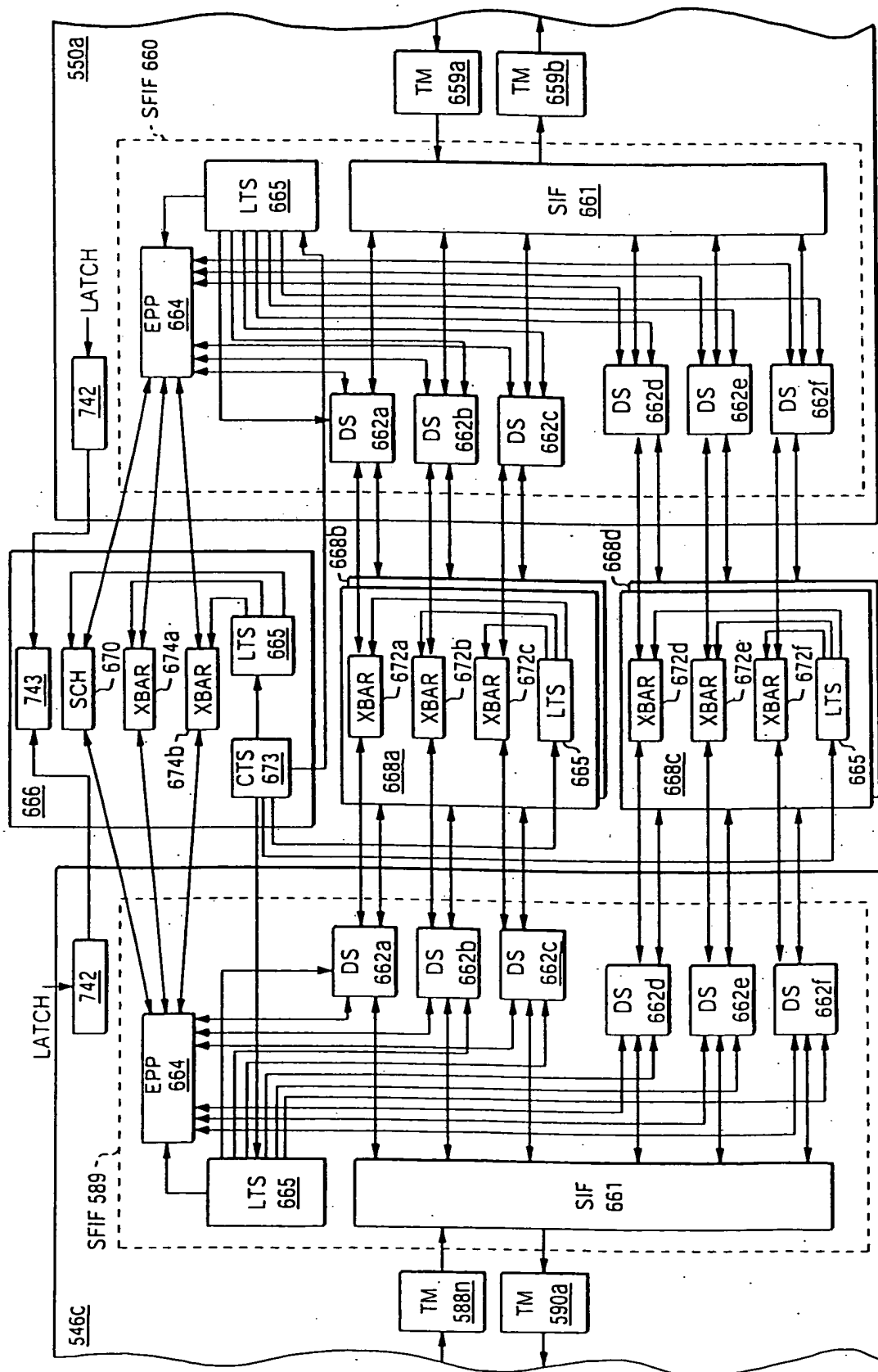


FIG. 43

640

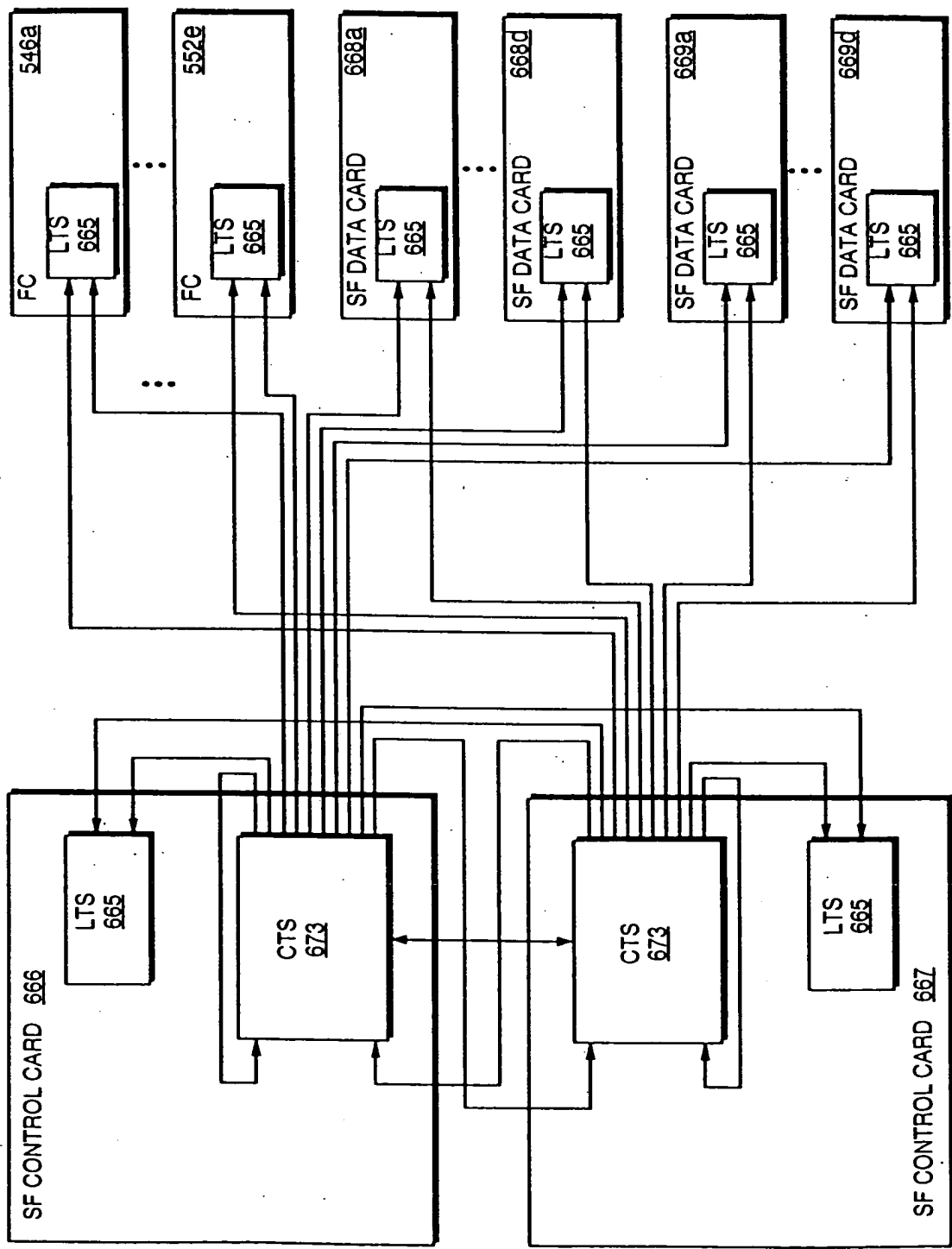
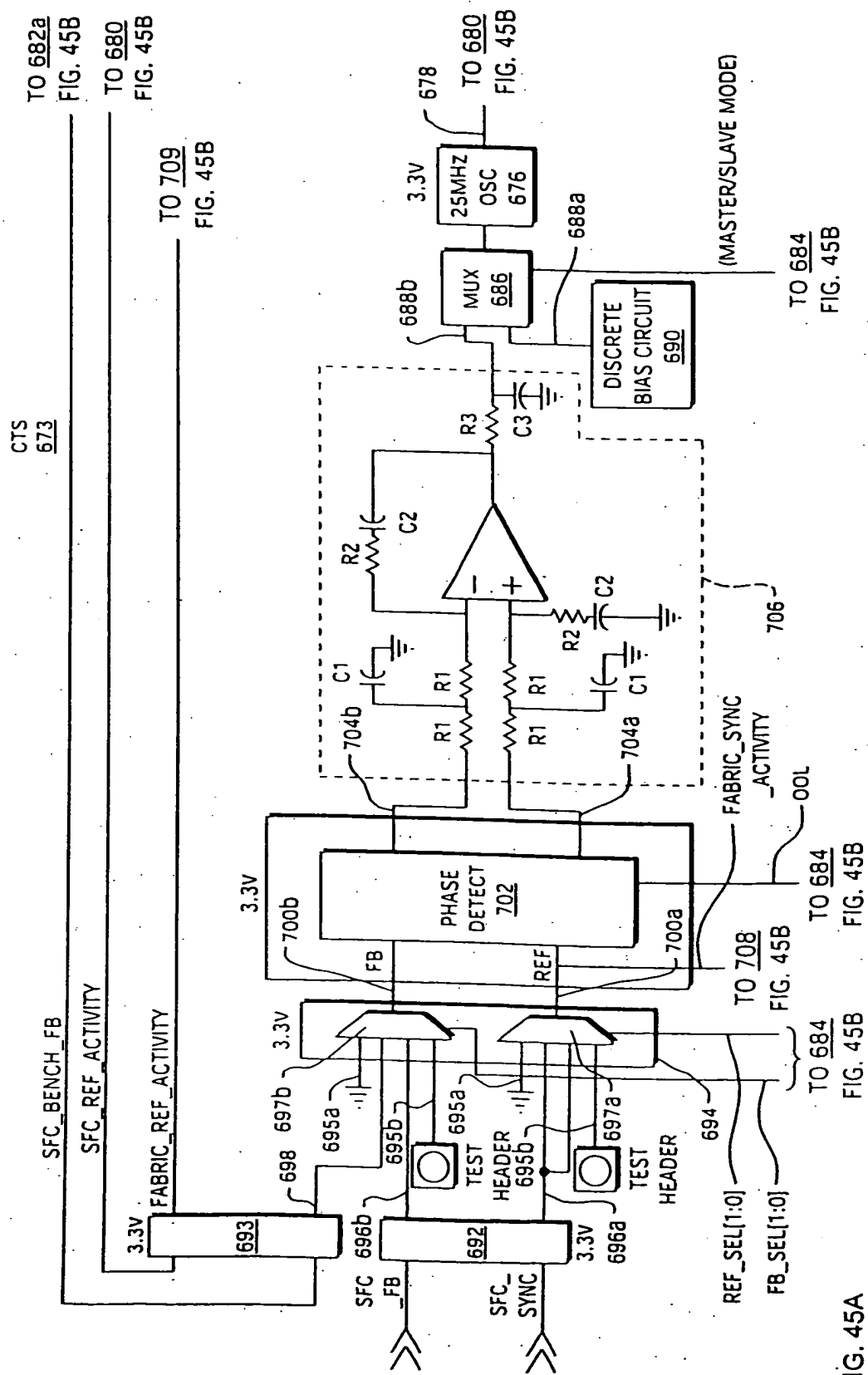


FIG. 44



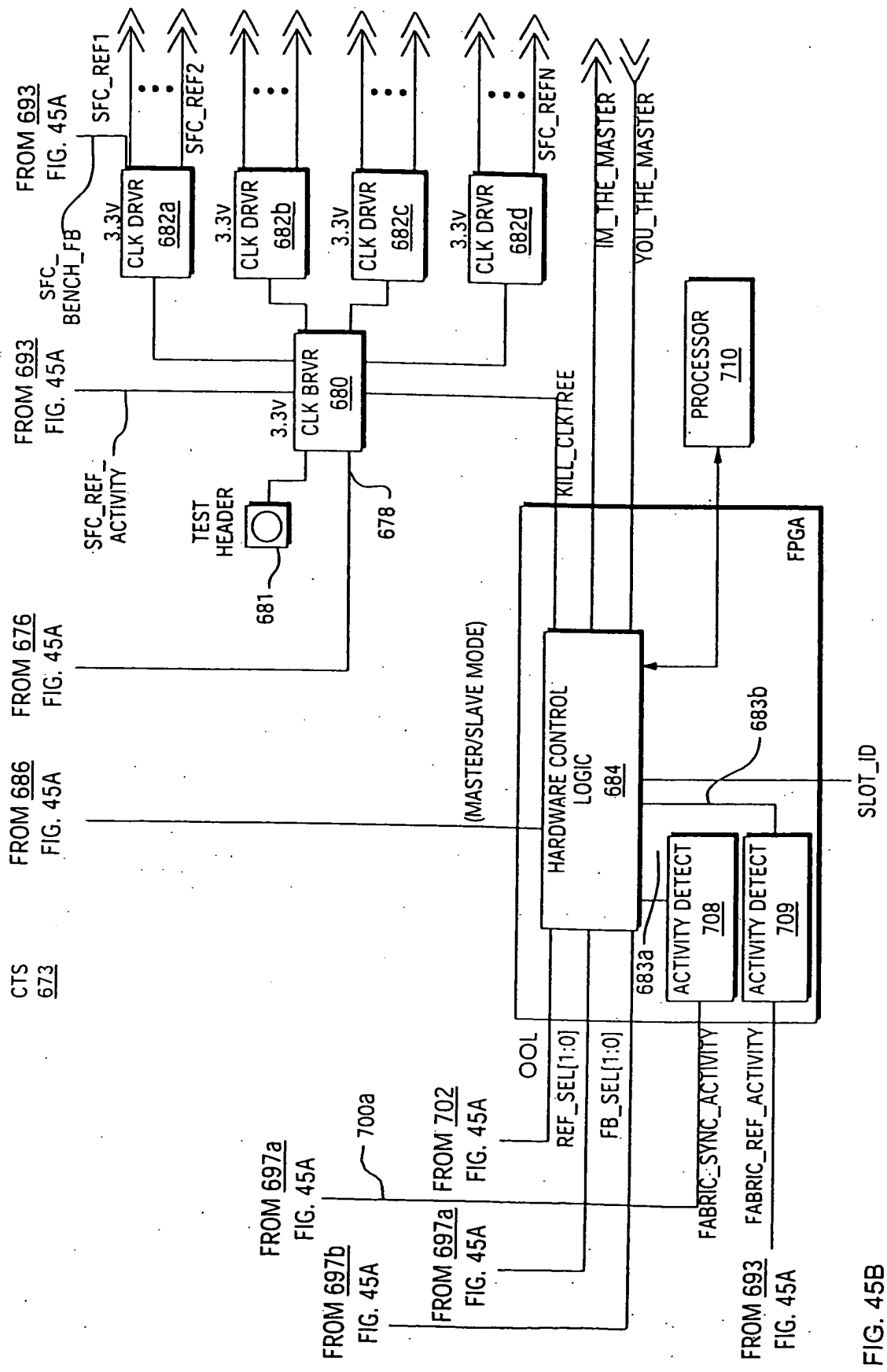


FIG. 45B

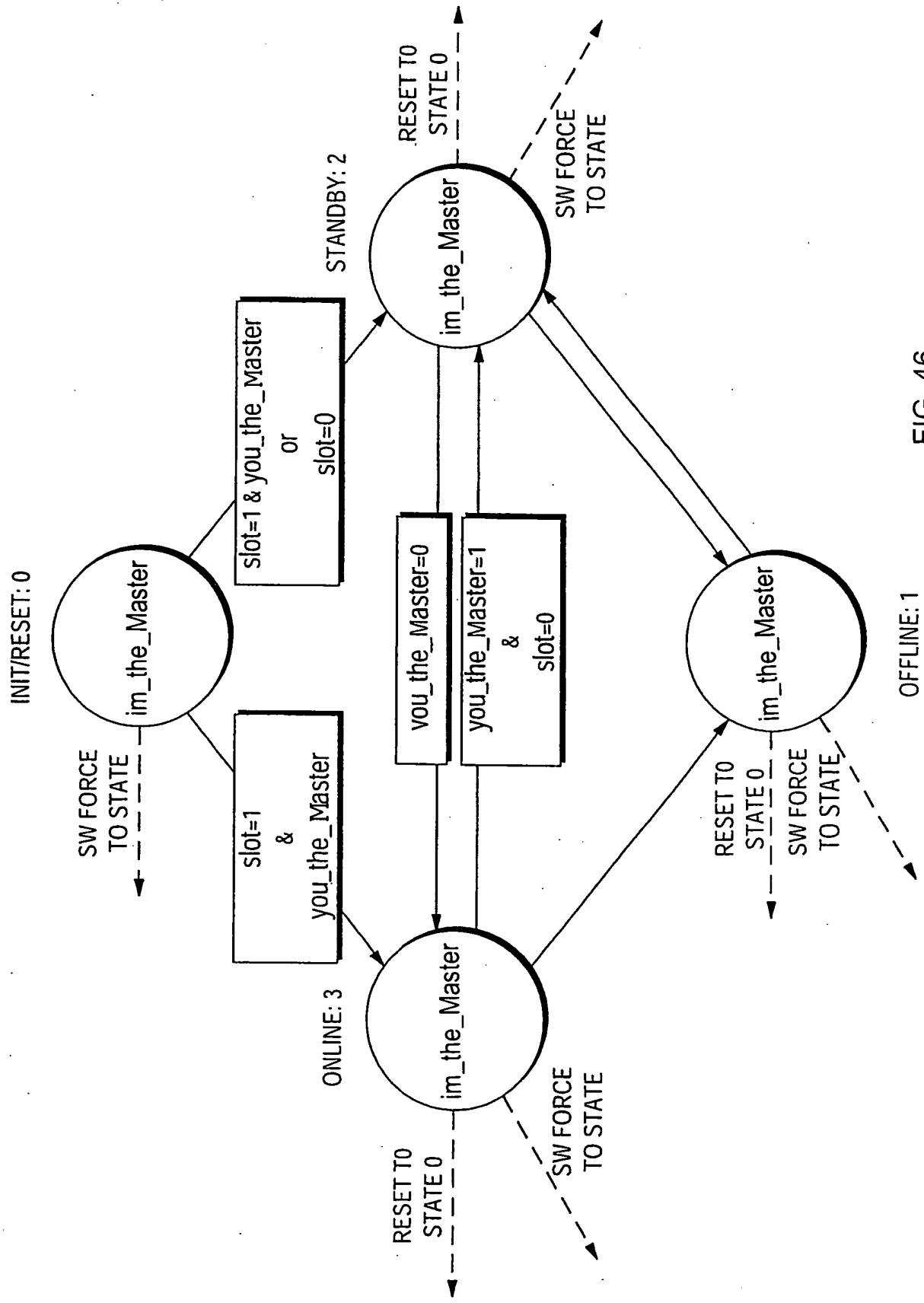


FIG. 46

SFC_FB

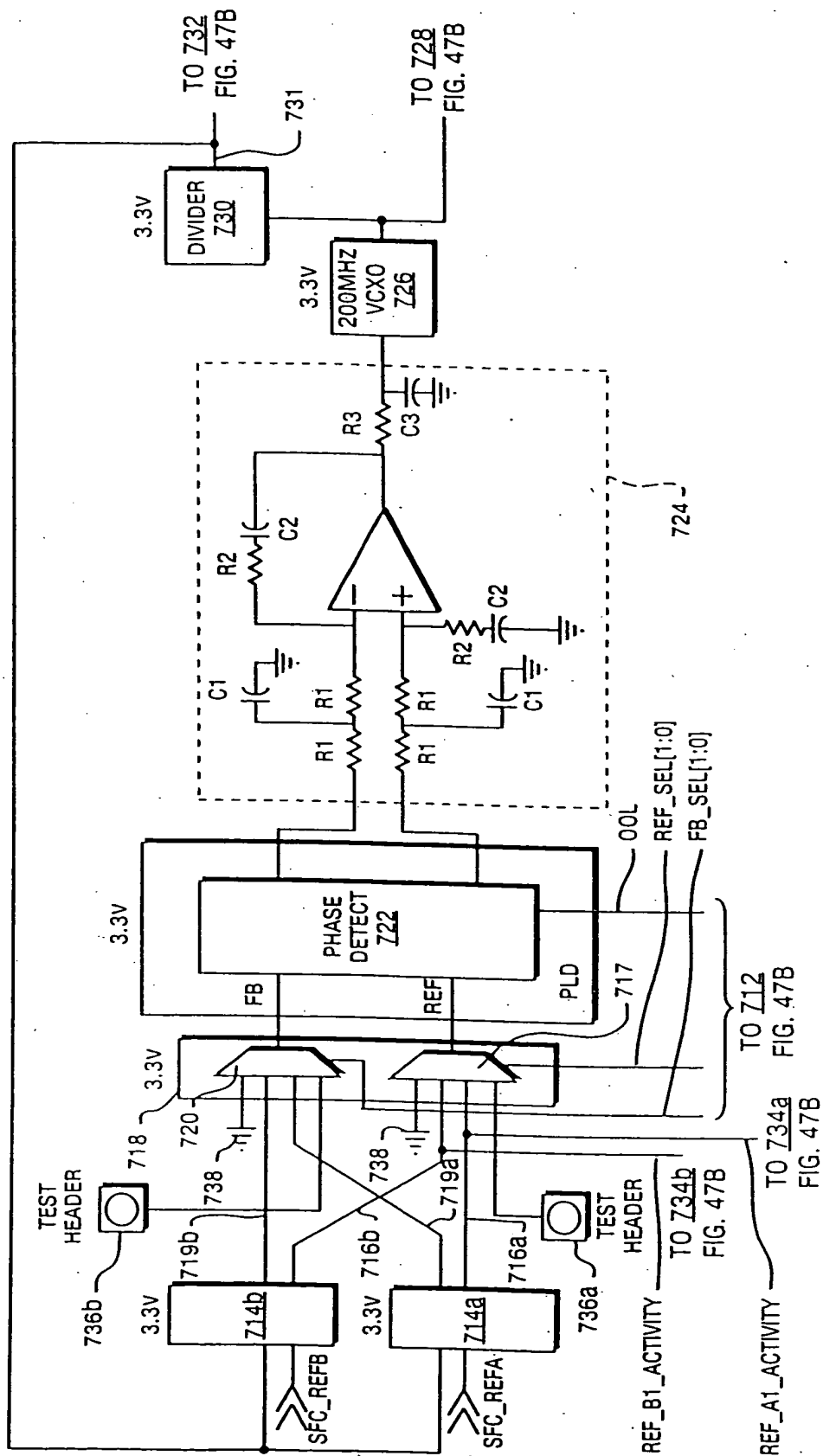


FIG. 47A

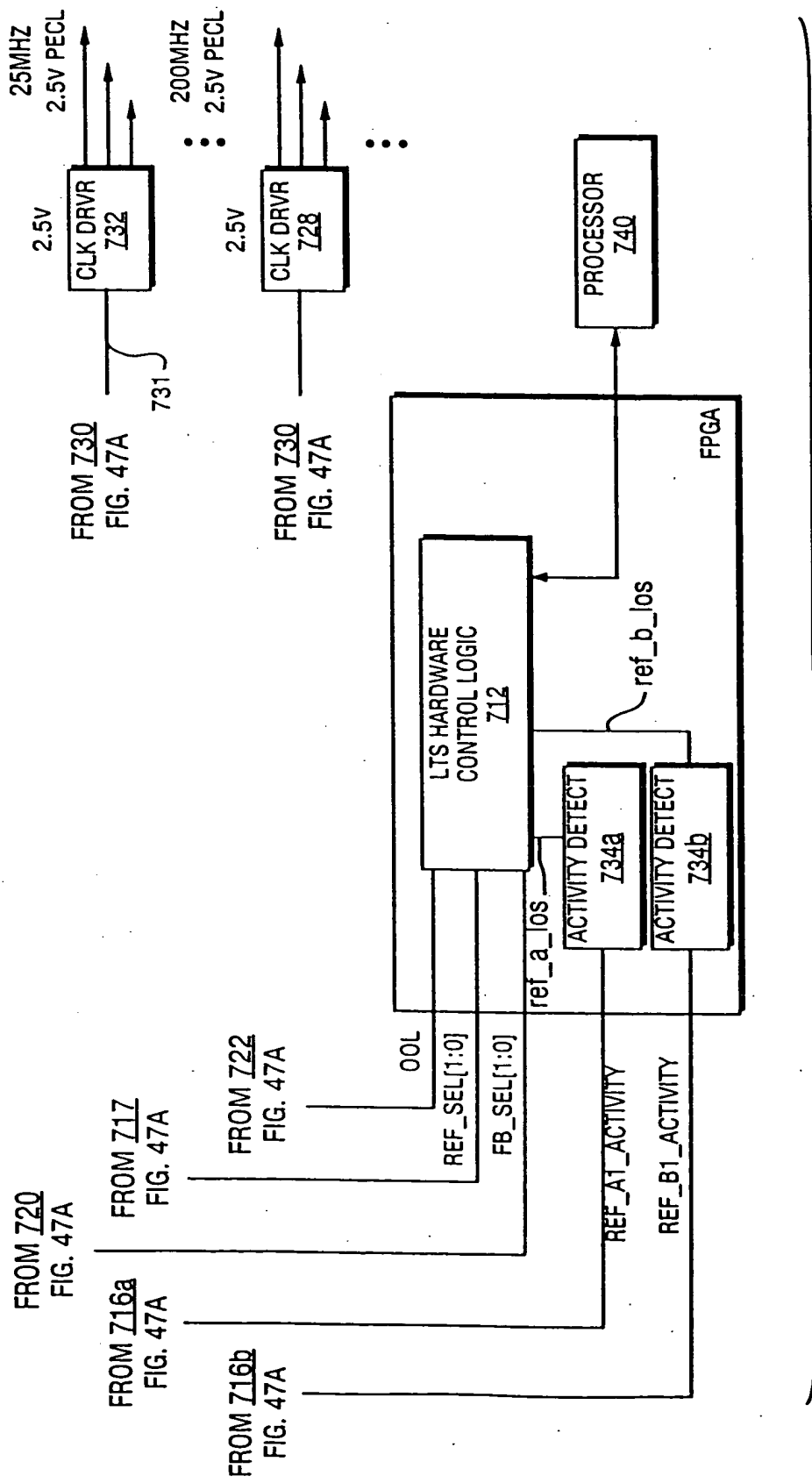


FIG. 47B

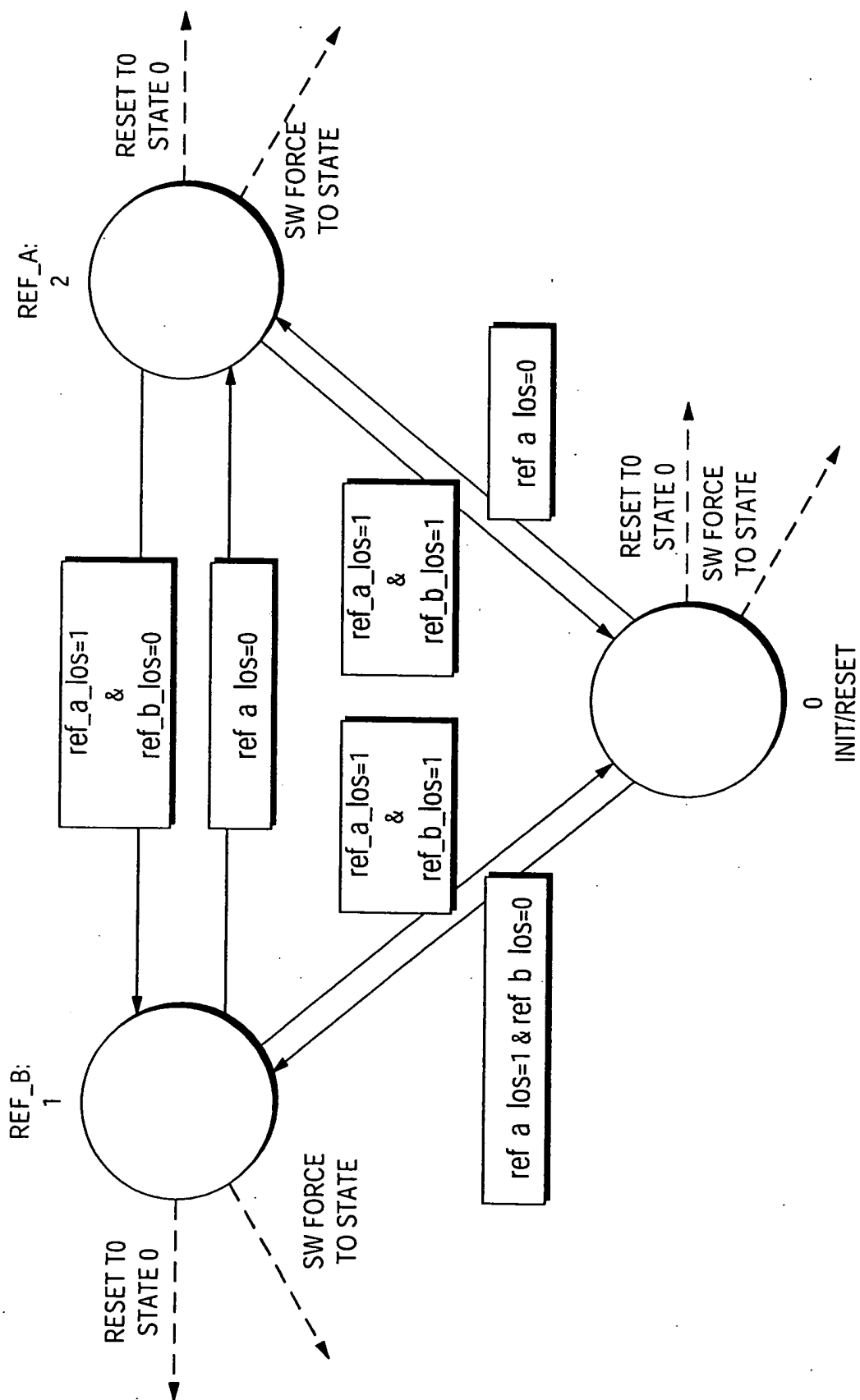


FIG. 48

540

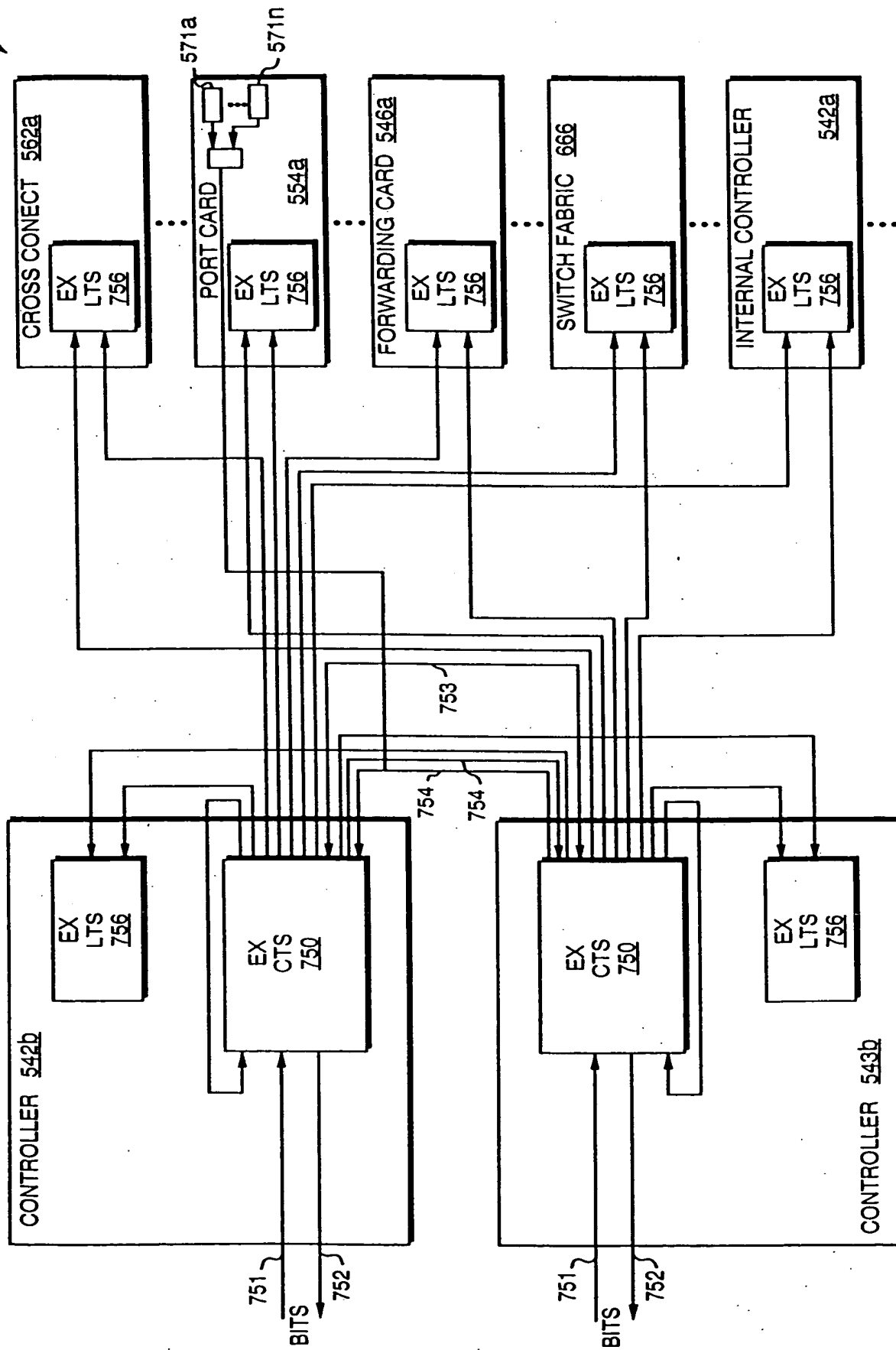


FIG. 49

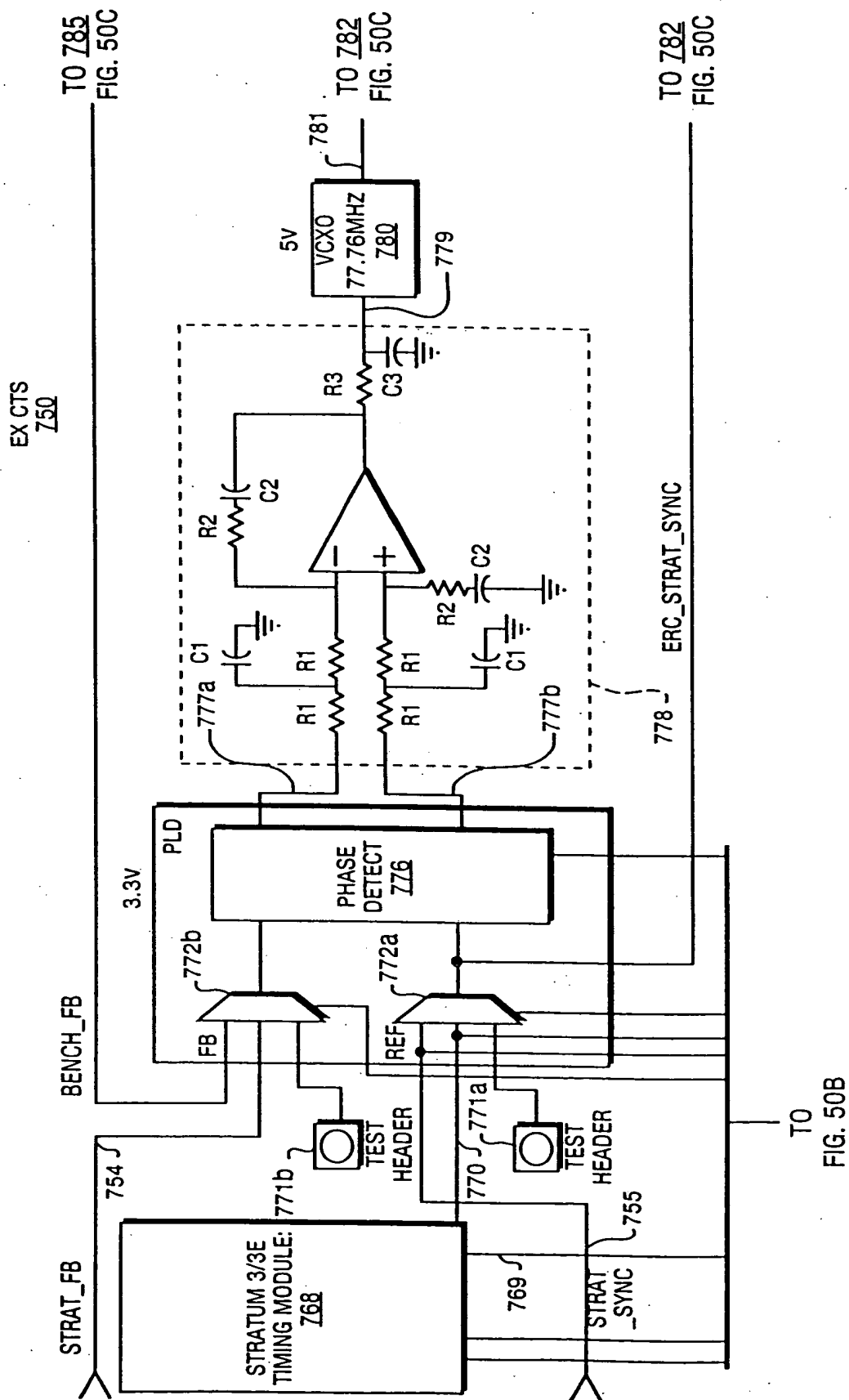


FIG. 50A

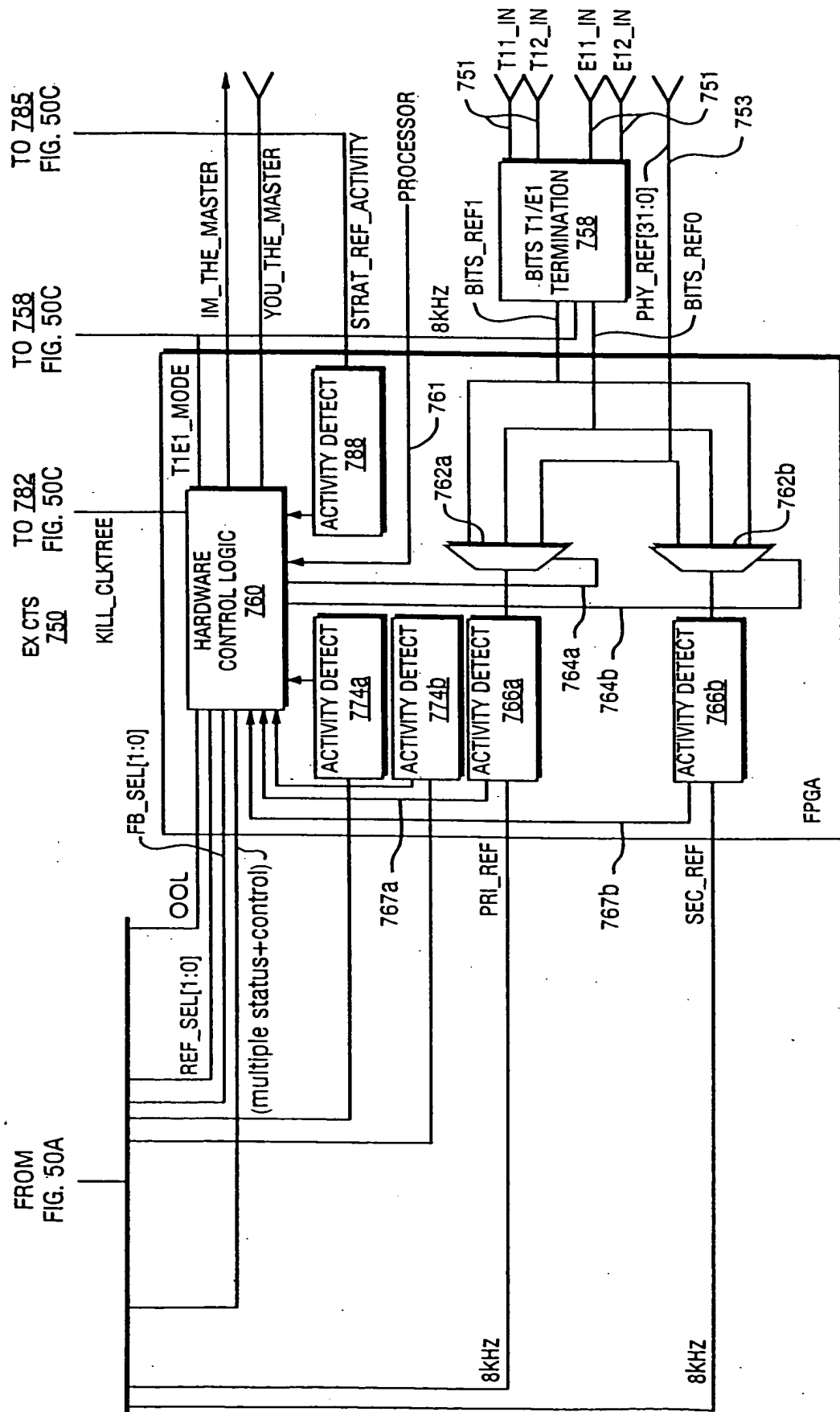


FIG. 50B

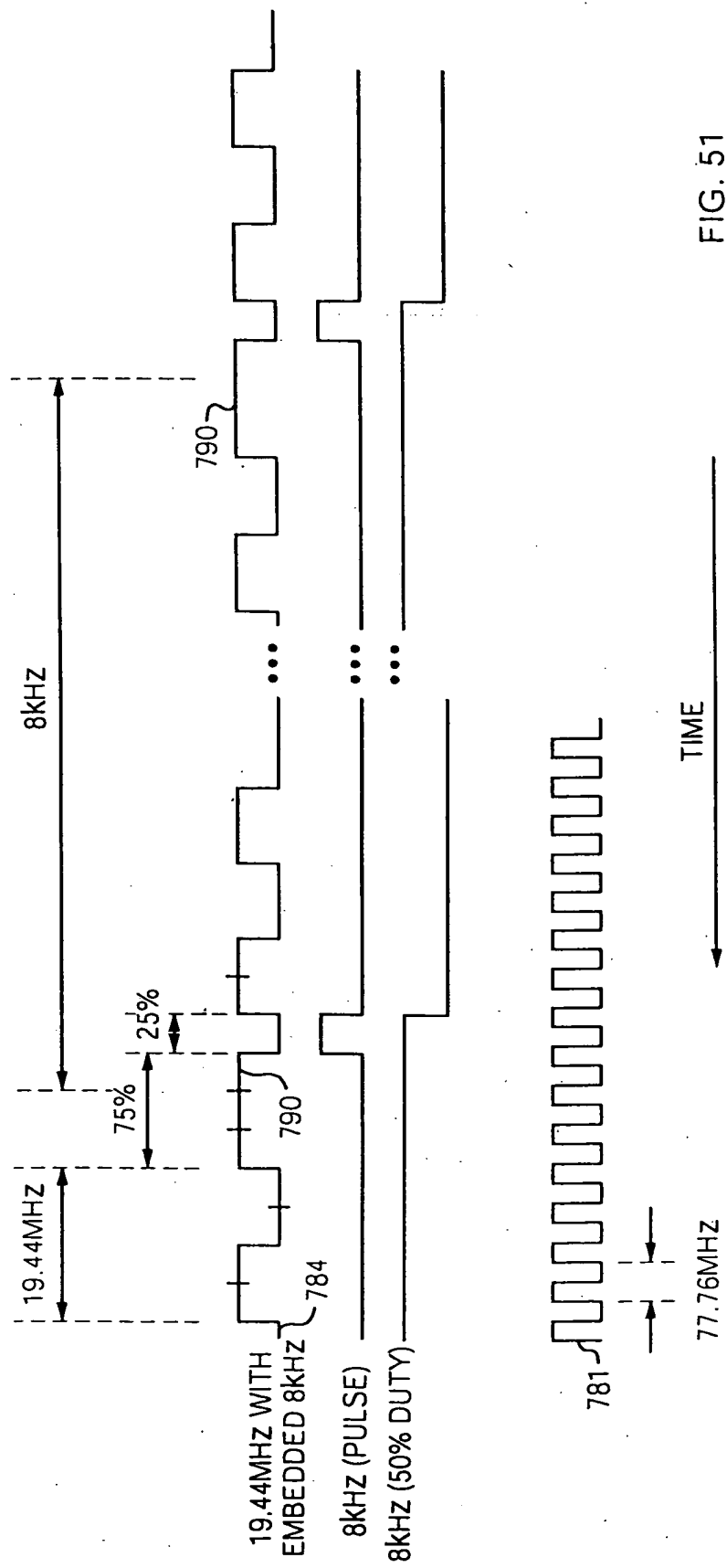


FIG. 51

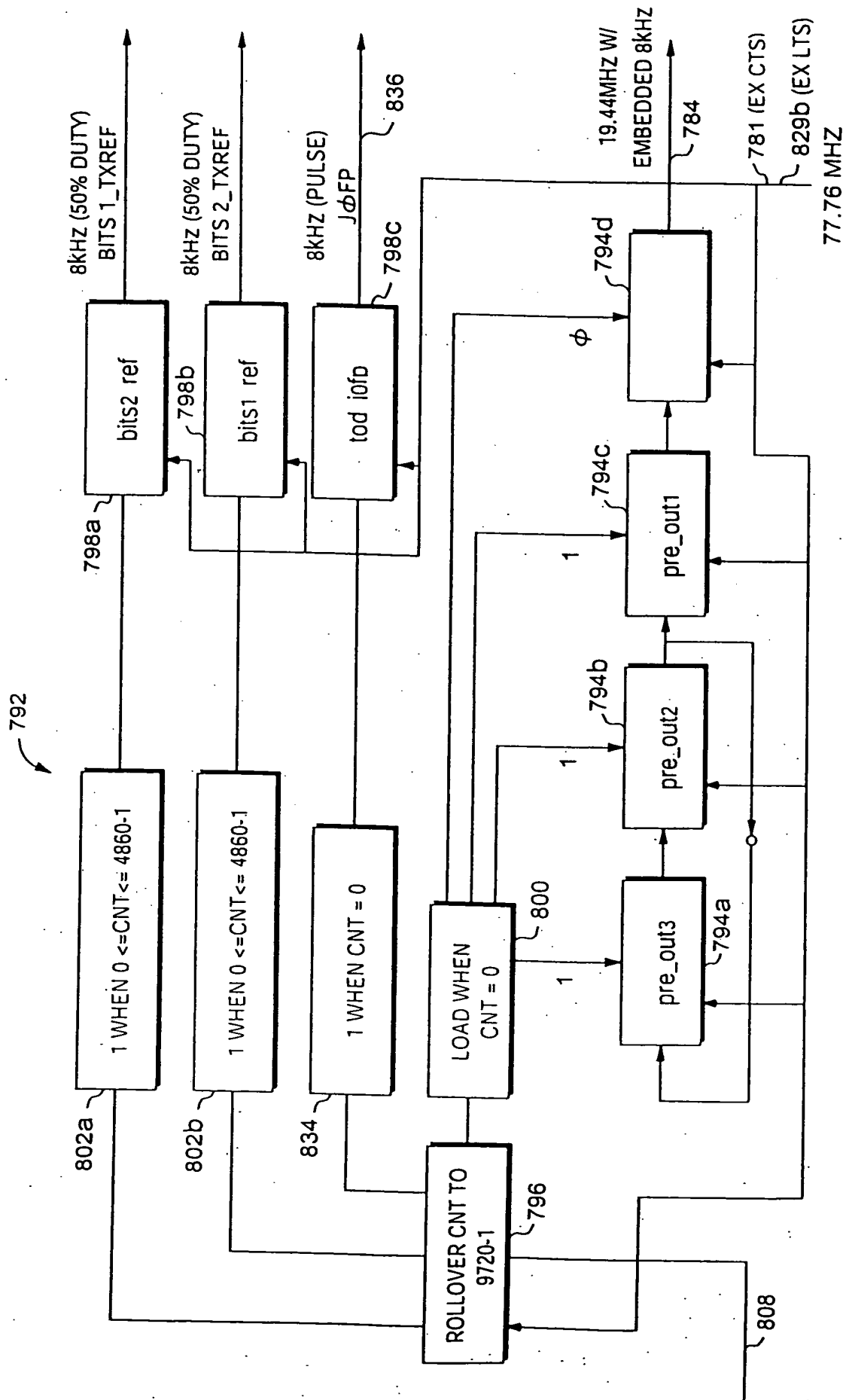


FIG. 52

EXTRACTOR
804

ERC_STRAT_SYNC (EX CTS)
STRAT_REF_A OR STRAT_REF_B (EX LTS) 832
19.44MHz WITH ENCLOSED 8kHz
(MUST BE PULLED LOW WHEN NOT PRESENT)

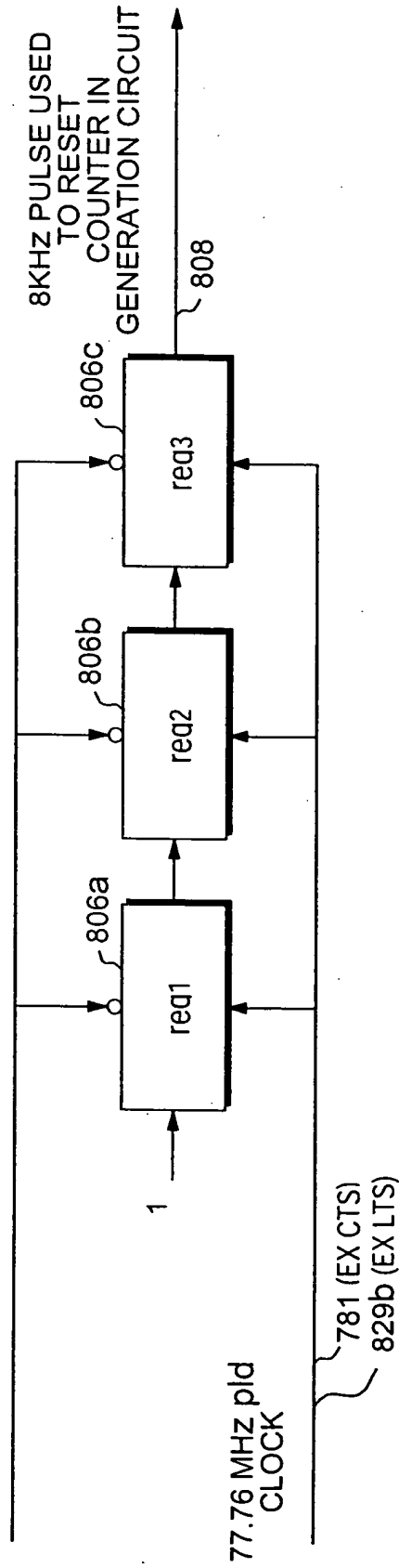


FIG. 53

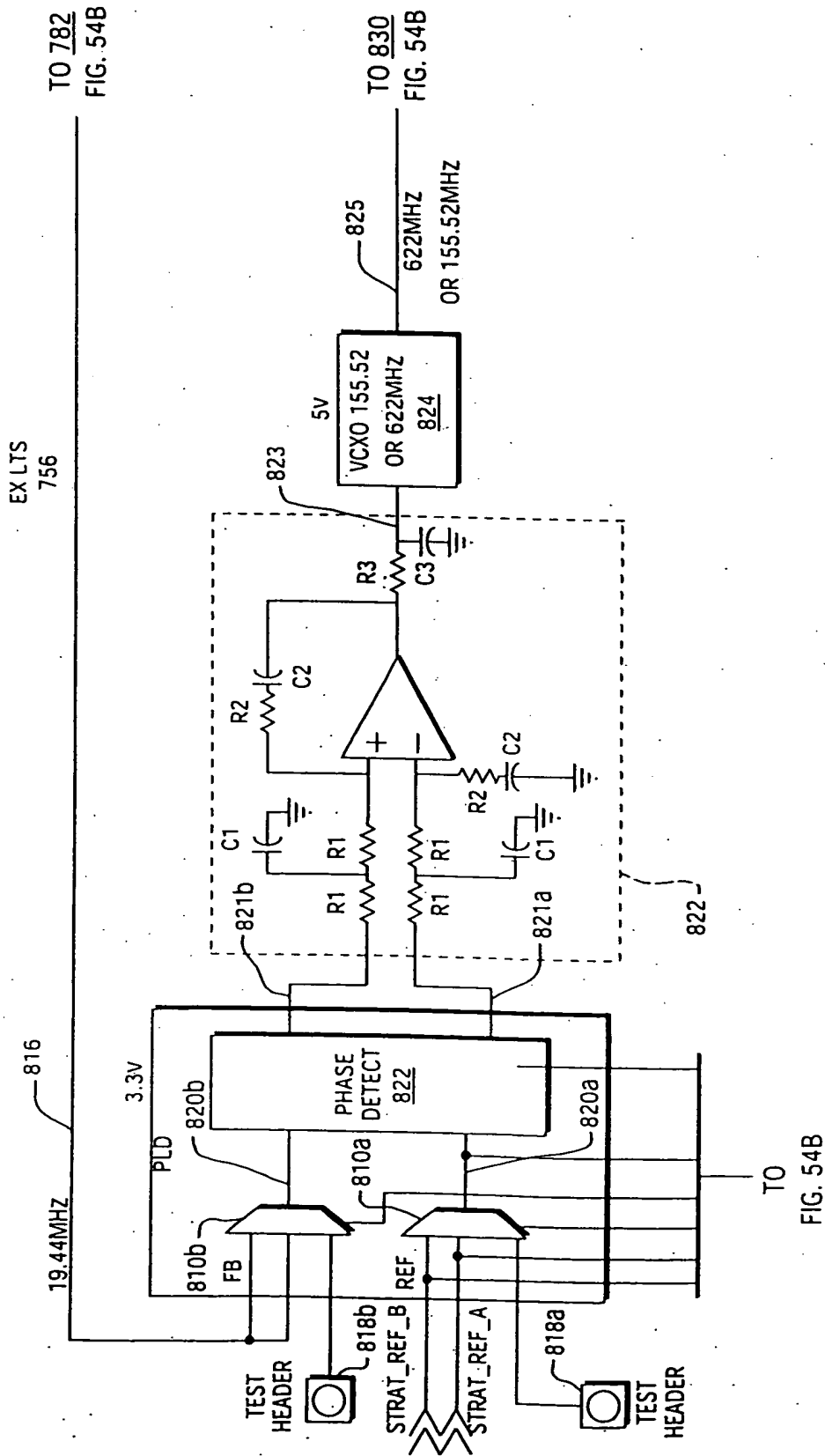


FIG. 54A

TO
FIG. 54B

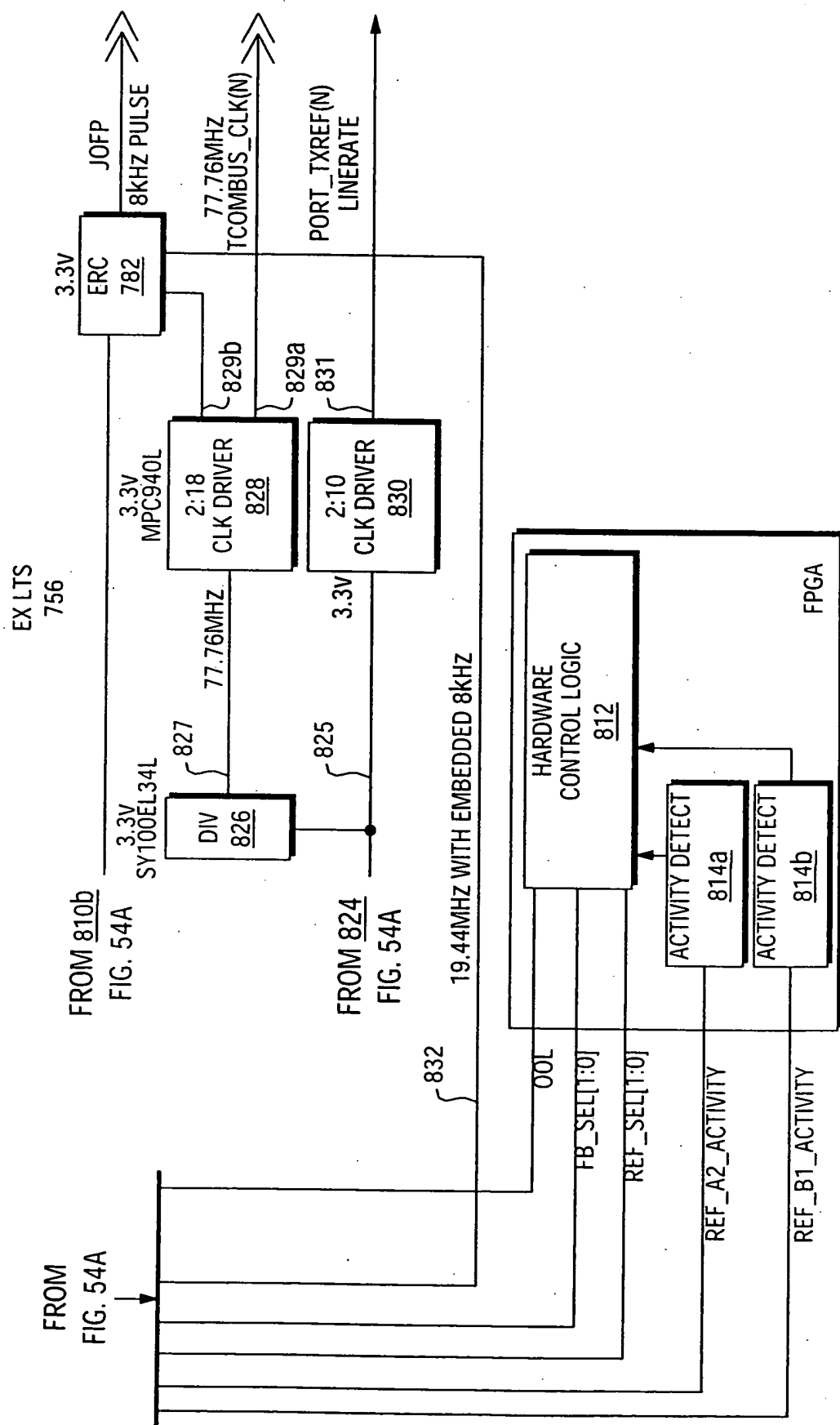


FIG. 54B

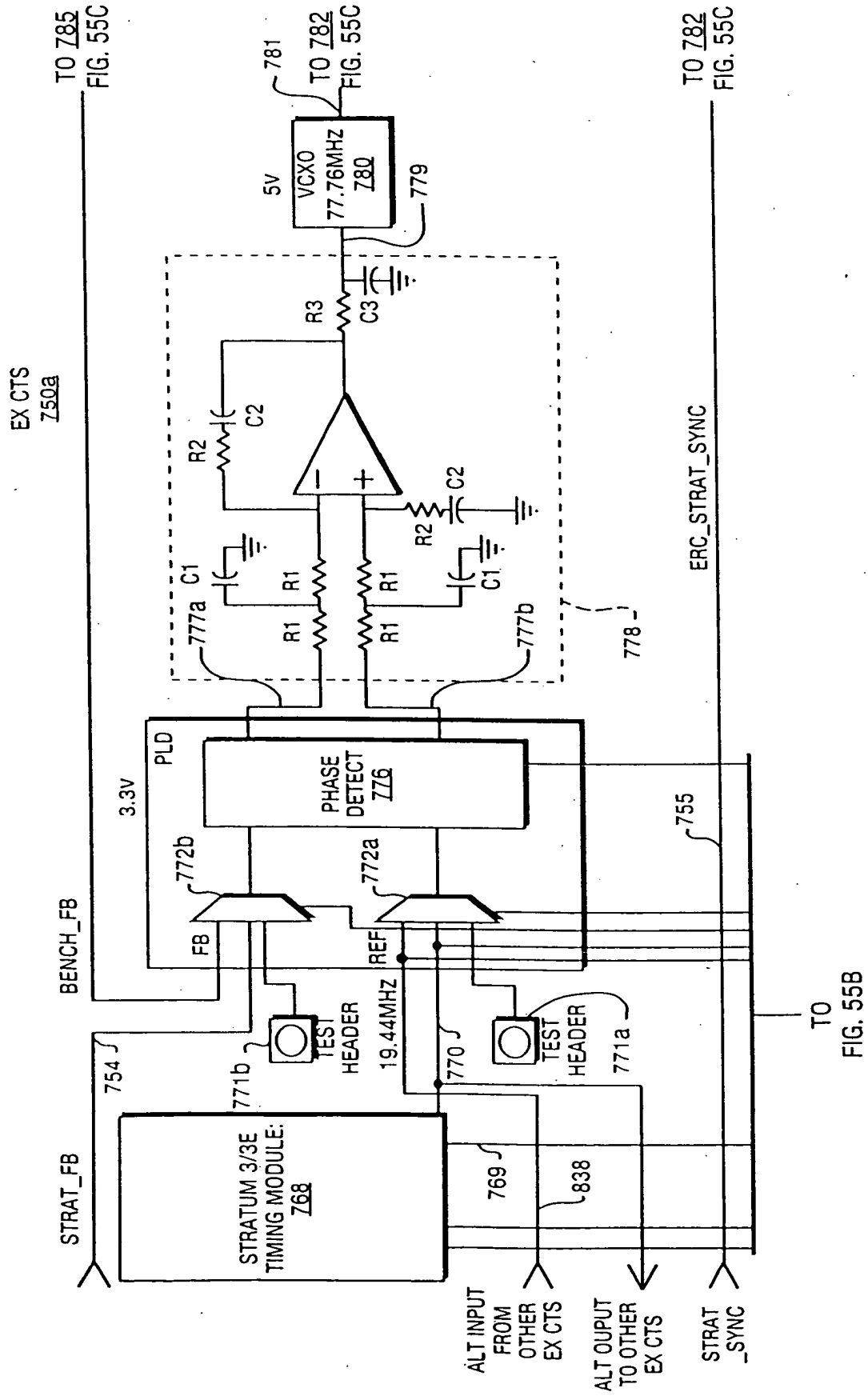


FIG. 55A

EX CTS
Z50a

FROM
FIG. 55A

TO 782
FIG. 55C

TO 758
FIG. 55C

TO 785
FIG. 55C

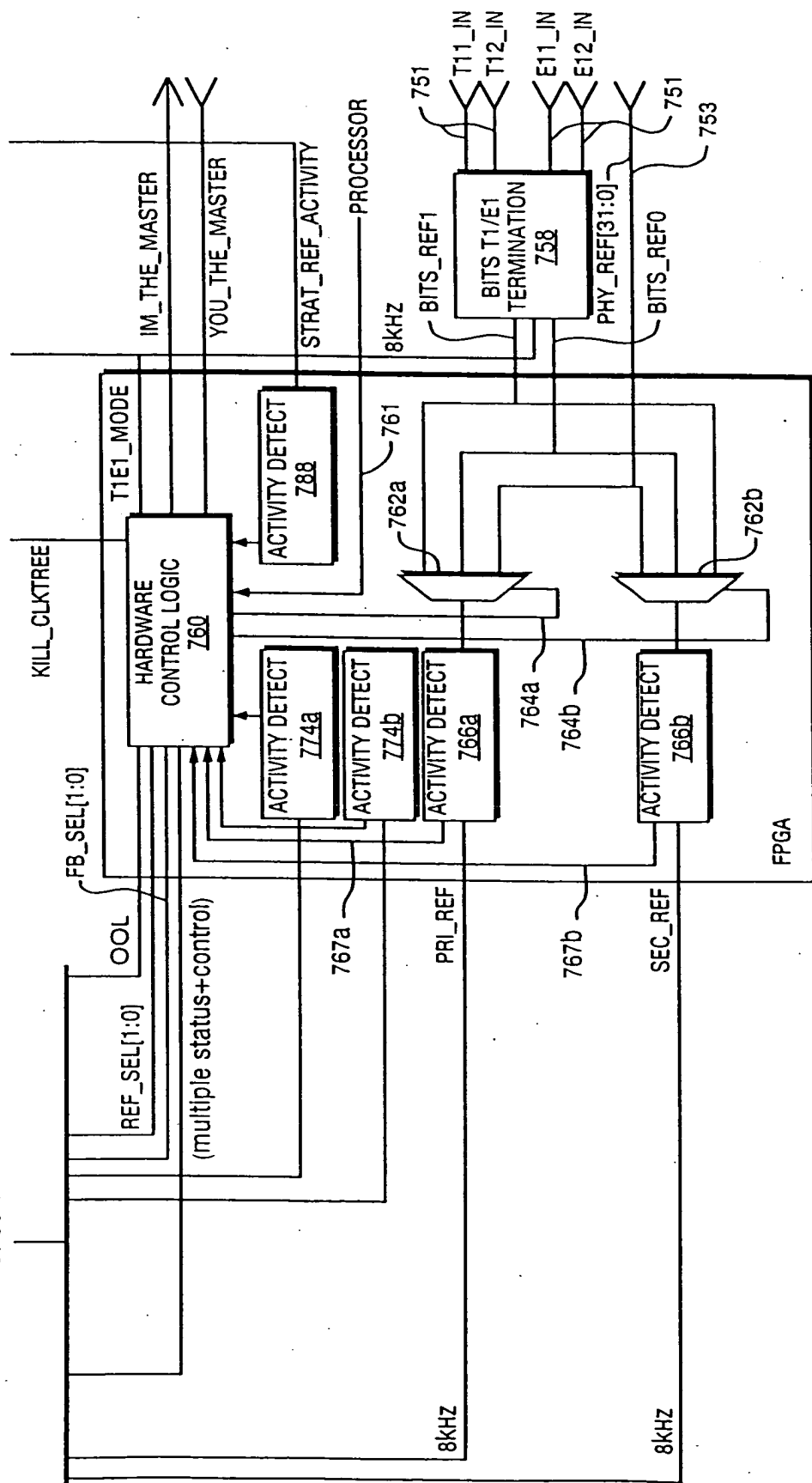


FIG. 55B

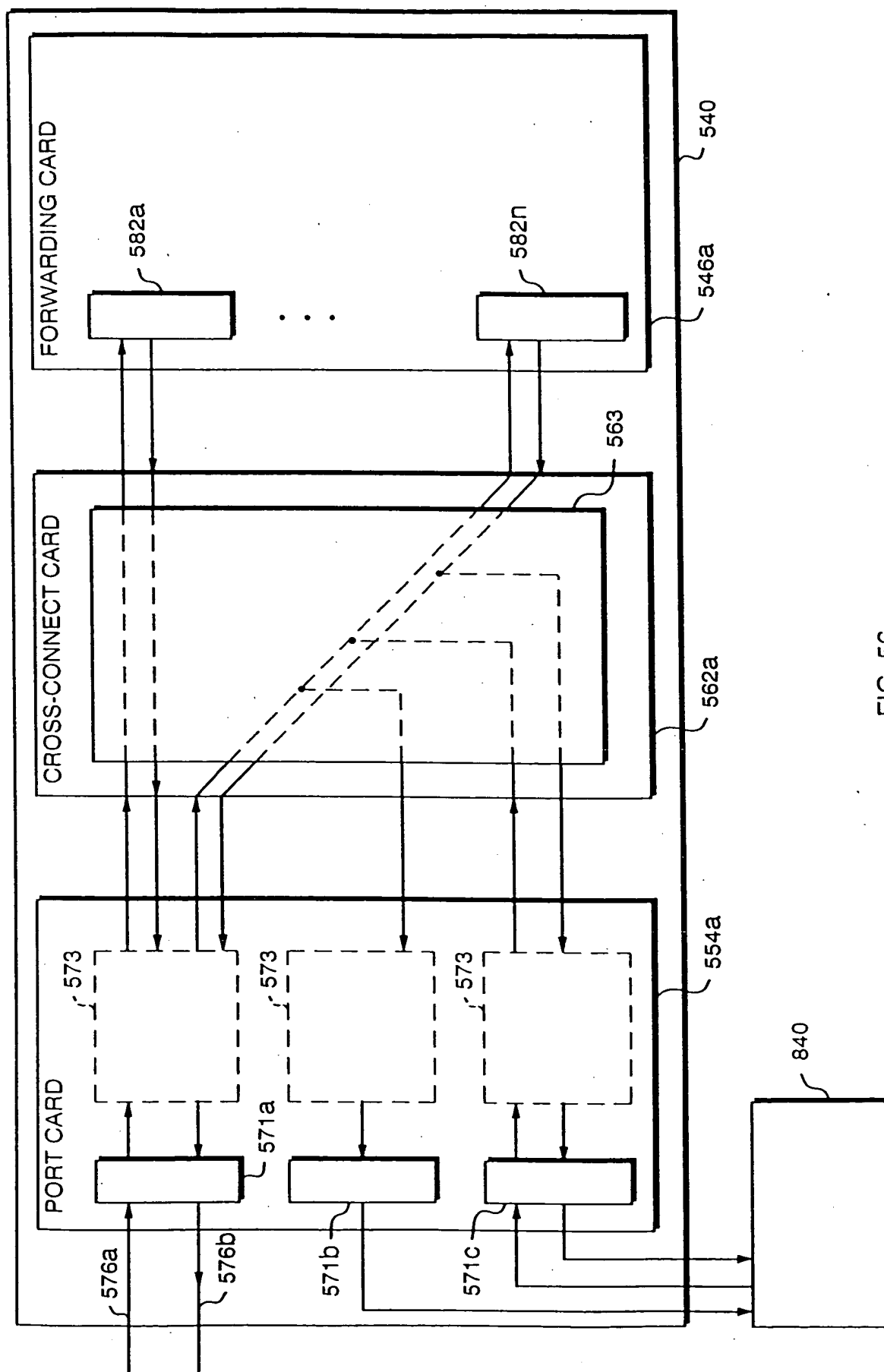


FIG. 56

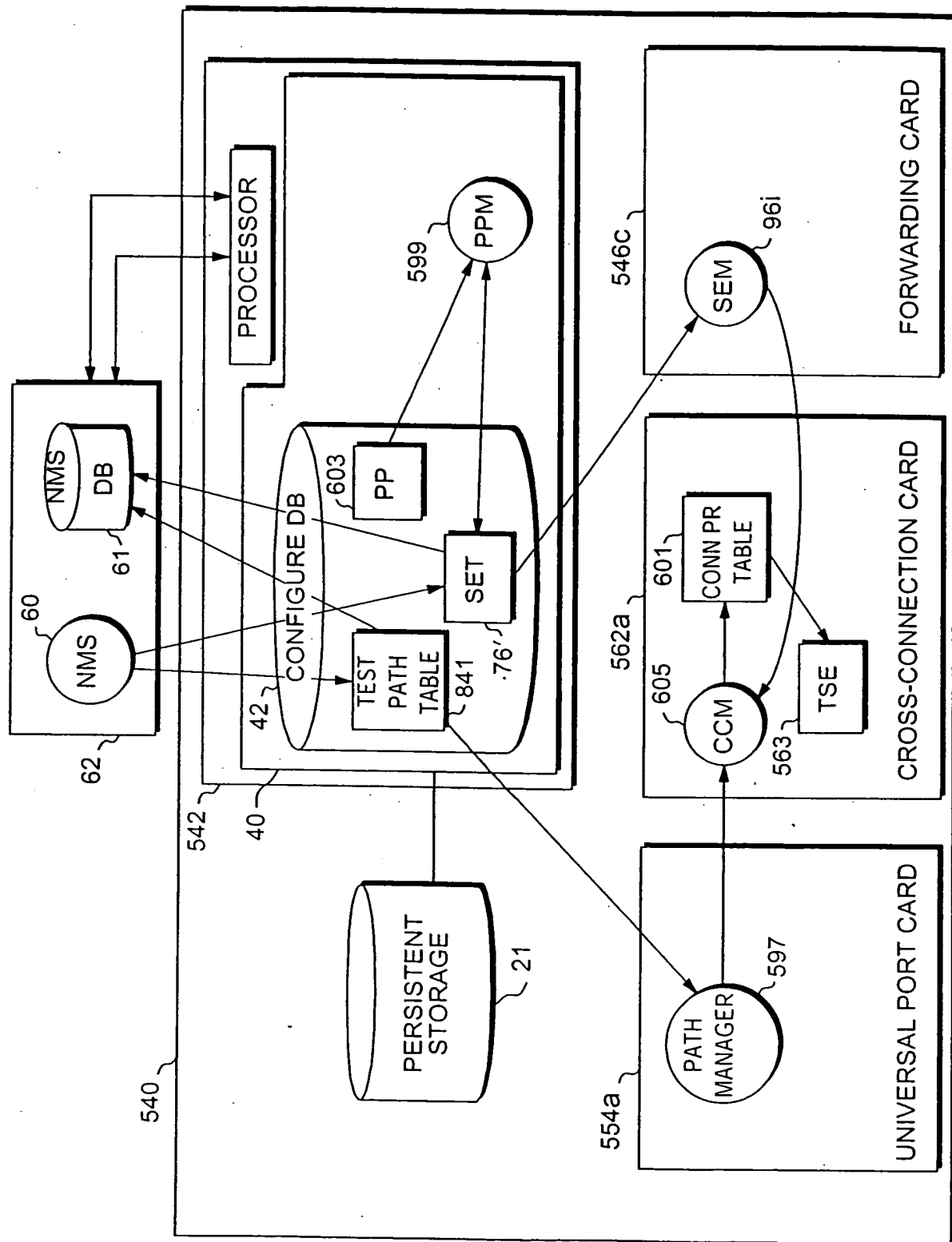


FIG. 57

TEST PATH TABLE 841

842	843	844	844				845	
			PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR	ENABLE PORT RECEIVER
			1666	1232	4	3	INGRESS	NO
			1666	1233	4	3	EGRESS	NO
			1666	1233	4	3	INGRESS	YES
.		
.		
.		
								...

FIG. 58